Cumulative Assessments on UNIT 4

Cumulative Assessment 17 Till lesson 1 unit 4

1. Complete.

a. 3 : 15 + 2 : 50 = ________

b. A rectangle of 12 m length and 8 m width , its perimeter is ________ m

c. A square of side length 70 cm , its perimeter = ________ cm

d. ________ mL = 5 L , 34 mL

e. 39 + 0 = ________ [________ property]

f. 35,000 = ________ Hundreds

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2. Choose the correct answer.

a. A square of side length 10 cm, then its perimeter = ________ cm

A. 10 B. 20 C. 40 D. 100

b. The perimeter of the rectangle of 7 cm length and 3 cm width = ________

A. 10 cm B. 10 cm^2 C. 20 cm D. 20 cm^2

c. 4 weeks ☐ 30 days

A. < B. = C. >

d. 35,714 – 7,642 = ________

A. 37,356 B. 73,356 C. 28,072 D. 28,702

e. The value of the digit 5 in the number 531,261,049 is ________

A. 500,000,000 B. 5,000,000 C. 50,000,000 D. 500,000

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3. Calculate the perimeter of each of the following shapes "Use two different formulas to solve each problem" Show your work.

a.

7 m.

4 m.

First formula ________

Second formula ________

b.

40 mm.

40 mm.

First formula ________

Second formula ________

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4. Shady is building a rectangular frame. Its length is 42 millimeters and its width is 28 millimeters. What will the perimeter of the frame be ?

Cumulative Assessment 18 Till lesson 2 unit 4

1. Choose the correct answer.

a. A rectangle its length is 10 m and its width is 7 m, then its area = ________ m^2

A. 17 B. 34 C. 70 D. 140

b. A square of side length 7 cm, then its area = ________

A. 28 cm B. 28 cm^2 C. 49 cm D. 49 cm^2

c. The perimeter of the square = side length × ________

A. itself B. 4 C. width D. length

d. The place value of the digit 0 in the number 3,250,641,798 is ________

A. Millions B. Milliards C. Hundred Thousands D. Thousands

e. 3 L, 25 mL = ________ mL

A. 325 B. 28 C. 3,025 D. 30,025

2. Complete.

a. 84,582 – 9,431 = ________

b. 5,123 + 16,257 = ________

c. 3 kg, 3 g = ________ g

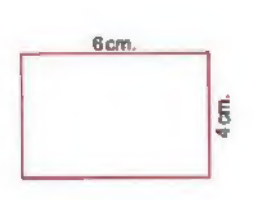
d. If A – 423 = 147, then A = ________

e. ________ hundreds = 730 tens

f. 214 + (361 + 700) = (214 + 361) + ________

3. Find the area and the perimeter of each of the following figures.

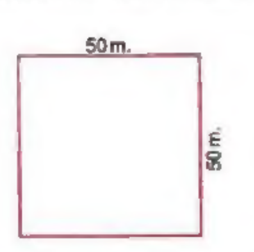
a.



Area = ________

Perimeter = ________

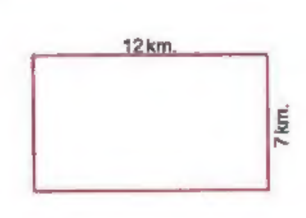
b.



Area = ________

Perimeter = ________

c.



Area = ________

Perimeter = ________

4. Sketch two rectangles, the area of each one is 12 cm^2. Find the perimeter of each.

a.

P = ________

b.

P = ________

Cumulative Assessment 19 Till lesson 3 unit 4

1. Complete each of the following.

a. A square has a perimeter 24 cm , then its area is ______

b. A square of area 25 cm^2 , then its side length is ______

c. The area of a rectangle is 32 m^2 and its length is 8 m , then its width is ______

d. 3 : 25 + 6 : 42 = ______

e. 37,856 ≈ ______ (Round to the nearest 1,000)

2. Choose the correct answer.

a. Width of a rectangle = ______

A. Area ÷ length B. Area ÷ width C. Length × width D. Area × length

b. A square whose area is 25 m^2 , then its side length = ______ m

A. 4 B. 5 C. 6 D. 7

c. 199 + 5,482 ☐ 9,462 – 3,781

A. < B. = C. >

d. The side length of a square of perimeter 20 cm ☐ the side length of a square of area 49 cm^2

A. < B. = C. >

e. 3 L , 720 mL = ______ mL

A. 723 B. 750 C. 3,720 D. 3,072

3. Write the time in two ways.

a. 

___ : ___

It's ______

b. 

___ : ___

It's ______

c. 

___ : ___

It's ______

d. 

___ : ___

It's ______

4. A rectangle of perimeter 20 cm. and its length is 6 cm. Find its area.

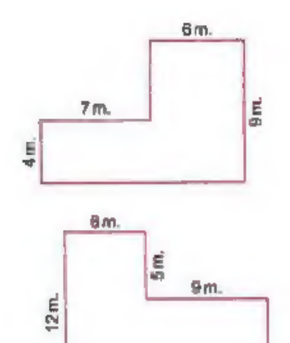
______

5. A colony of ants eats approximately 2,000 grams of food each day. If the ants have 10 kilograms of food stored , how many days will the food last ?

______

Cumulative Assessment 20 Till lesson 4 unit 4

1. Complete.



a. The perimeter of the opposite complex figure equals ________ m

b. The area of the opposite complex figure equals ________ m^2

c. 7,000 g = ________ kg

d. The value of the digit 5 in 5,321,647 is ________

e. 75 dm = ________ m , ________ dm

f. The value of the digit 0 in the number 769,423,018 is ________

2. Choose the correct answer.

a. 59,764 < ________

A. 59,000 **B.** 49,999 **C.** 59,765 **D.** 59,763

b. Hany wrote 325 + 0 = 325 , using the ________ property.

A. commutative **B.** associative **C.** additive identity **D.** distributive

c. [3 × 1,000] + [3 × 10] = ________

A. 330 **B.** 3,030 **C.** 3,300 **D.** 30,030

d. The perimeter of a rectangle with 7 cm long and 3 cm wide equals ________

A. 21 cm **B.** 20 m **C.** 21 cm^2 **D.** 20 cm

3. Find the result.

a. 2,456 – 1,999

____

b. 356 – 149

____

4. Jana walked once around the squared playground. She covered a distance of 20 m
What is the area of this playground ? ________

____

General Revision On Unit 4

1. Complete.

1. A rectangle has 4 cm wide, and 6 cm long, then its area = ________ cm^2
[Alex. - West 22]

2. A square has an area of 16 square centimeters, then its perimeter = ________ cm
[Suez 22]

3. The length of the side of a square whose perimeter is 28 cm is ________ cm
[Beni Suef 22]

4. Area of rectangle its length is 7 cm, width is 3 cm = ________ cm^2 [Cairo 23]

5. A square of side length 6 meters, then its perimeter = ________ meters [Souhag 23]

6. A square of side length 3 cm, then its perimeter = ________ cm [Cairo - Rod El-Farag 23]

7. A rectangle its length is 7 cm, and its width is 5 cm, then its area = ________ cm^2
[Cairo 23]

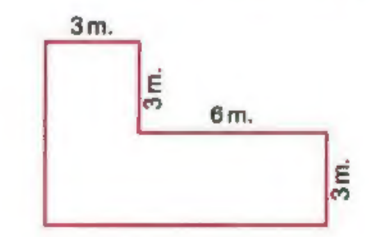
8. A rectangle has length (L) and width (W), its perimeter = ________ [Cairo 23]

9. A carpet in the shape of a square of side length 3 m, its perimeter = ________ m [Giza 23]

10. Area of a square = side length × ________ [Ismailia 23]

11. If the side length of the square is (S), then its perimeter rule = ________ × ________
[Alex. - Al-Agamy 23]

12. The area of the opposite figure equals ________ m^2



13. The side length of the square = its perimeter ÷ ________

14. The width of the rectangle = its area ÷ ________

15. A square has a perimeter 12 cm, then its area is ________

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2. Choose the correct answer.

1. A rectangle its length is (L) and its width is (W), what is its perimeter?
[Cairo - Khalifa and Mokattam 22]

A. L + W B. L × W C. 2 × (L + W) D. (2 × L) + W

2. A rectangle its length = 8 cm , its width = 4 cm , then its area = ———— cm^2

A. 32 B. 12 C. 24 D. 64 [Giza - Dokki 22]

3. Area of rectangle with length 9 cm and width 6 cm = ———— cm^2 [El-Dakahlia 22]

A. 3 B. 30 C. 15 D. 54

4. A rectangle of length 20 cm and width 10 cm , then its area is equal to ———— square cm. [Damietta 22]

A. 2 × 20 + 2 × 10 B. 20 + 10

C. 60 D. 200

5. Area of a square of side length 5 cm = ———— cm^2 [Cairo 23]

A. 20 B. 25 C. 15 D. 30

6. Perimeter of a square of side length 7 cm = ———— cm [Cairo 23]

A. 42 B. 28 C. 27 D. 14

7. The perimeter of the rectangle of 8 cm long and 2 cm wide equals ———— [Souhag 23]

A. 20 cm B. 20 cm^2 C. 16 cm D. 16 cm^2

8. The perimeter of a square is 40 cm , then its side length = ———— cm [Cairo 23]

A. 4 B. 1,600 C. 160 D. 10

9. A rectangle has length 30 cm and width 5 cm , then its area = ———— cm^2

A. 5 + 30 × 2 B. 70 C. 150 D. 300

10. Area of rectangle = length × ———— [Ismailia 23]

A. itself B. width C. 4 D. height

11. The area of the square whose side length is 6 cm = ———— cm^2 [Souhag 23]

A. 11 B. 30 C. 24 D. 36

12. The perimeter of the square whose side length is 5 cm is ———— cm [Giza 23]

A. 10 B. 15 C. 20 D. 25

13. Area of the rectangle with 7 cm long and 3 cm wide equals ———— cm^2 [Giza 23]

A. 20 B. 21 C. 24 D. 35

14. A square of side length 8 cm , then its perimeter = ———— cm [Alex. 23]

A. 16 B. 24 C. 32 D. 40

15. A rectangle with an area 30 cm^2 , if its length is 6 cm , then its width equals ————

A. 6 cm B. 5 cm C. 11 cm D. 30 cm

3. Answer each of the following.

1. A rectangular gymnassium with 7 meters long and 4 meters wide.
   Find its perimeter. [Cairo - Heliopolis 22]

2. A squared picture with side length 8 cm , Hussein wants to make a piece of glass to cover this picture , what is the area of the glass piece ? [El-Kalyoubia 22]

3. A square-shaped room has a side length 4 meters.
   What is the area of the ground of the room in square meters ? [Souhag 22]

4. A rectangle of length 5 cm and width 3 cm. Find the perimeter. [Cairo - Rod El-Farag 23]

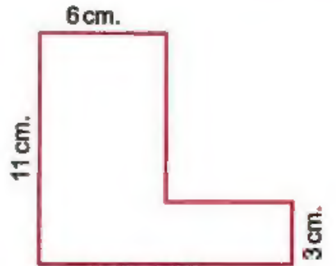
5. Find the perimeter of the rectangle whose length is 16 cm and its width is 14 cm [Cairo 23]

6. Amgad has a garden in a squared shape with side length 6 m , what the area of this garden ? [Giza 23]

7. Find the area and the perimeter of the opposite figure [Ismailia 23]

   A = ______

   P = ______

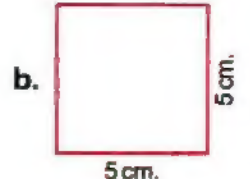


8. Find the perimeter of each of the following figures. [Souhag 23]

a. 

4 cm.

6 cm.

b. 

9. Find the area of the square if its side length is 6 cm [Giza 23]

Unit Four Assessment



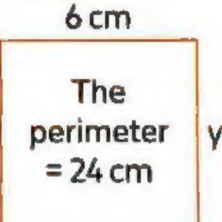
1. Choose the correct answer.

1. The area of the rectangle with 5 cm long and 3 cm wide equals ....

   A. 16 cm^2 B. 15 cm C. 15 cm^2 D. 16 cm

2. **In the opposite figure :**

   The value of y is ....



   A. 4 cm B. 5 cm

   C. 6 cm D. 7 cm

3. The perimeter of the opposite complex figure equals .... cm



   A. 14 B. 21

   C. 19 D. 24

4. The perimeter of a rectangle with 15 cm long and 10 cm wide equals .... cm

   A. 150 B. 50 C. 40 D. 35

5. Perimeter of square = ...

   A. s × s B. l + w C. l × w D. s × 4

6. The perimeter of a square of side length 10 m is .... m

   A. 30 B. 100 C. 20 D. 40

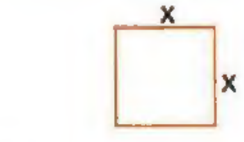
7. A rectangle its length is (l) and its width is (w), what is its perimeter? (Giza - Awseem 23)

   A. l + w B. l × w C. 2 × (l + w) D. (2 × l) + w

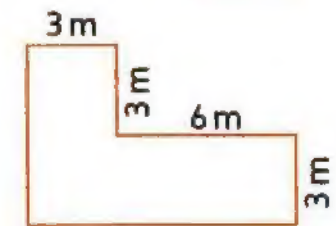
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2. Complete the following.

1. If the area of the opposite figure equals 25 m^2, then the value of x is .... m



2. The area of the opposite figure equals .... m^2



3. The area of the rectangle with 3 cm wide and 9 cm long equals .... cm^2

4. The perimeter of the rectangle = ... + ...

5. The area of a rectangle with 8 cm long and 2 cm wide equals the area of a square of side length .... cm

6. The side length of a square = its perimeter ÷ ....

7. The perimeter of the rectangle whose length is 6 cm and its width is 4 cm is ______ cm

8. A square of side length 5 units, then its perimeter = ______ units [Cairo 23]

3. Choose the correct answer.

1. The area of a rectangle whose length is 7 cm and its width is 5 cm equals ______ cm^2
   A. 12 B. 24 C. 35 D. 30 [Souhag 23]
2. The perimeter of the square whose side length is 6 cm is ______ cm [Giza - Abo El-Nomros 23]
   A. 8 B. 12 C. 36 D. 24
3. A rectangle its length is 8 cm and its width is 2 cm, then its perimeter = ______ cm
   A. 20 B. 16 C. 10 D. 24 [El-Behiera 23]
4. In the opposite figure : The value of × is ______ cm
   A. 80 B. 2
   C. 6 D. 5

   X
   The area = 20 cm^2
   4 cm
5. The area of the opposite figure equals ______ cm^2
   A. 30 B. 50
   C. 400 D. 100

   The area = 40 cm^2
   The area = 10 cm^2
6. Area of square = side length × ______
   A. length B. width C. itself D. 4
7. Area of rectangle = ______ × width
   A. length B. width C. itself D. 4

4. Answer the following.

1. Find the area of the opposite figure.

   3 m
   7 m

2. Calculate the perimeter of the opposite figure.

   9 cm
   9 cm

3. These two rectangles have the same area.
   Find the length of the second rectangle.

   6 cm
   3 cm
   X
   2 cm

4. Wael wants to place a wooden fence around his vegetable garden.
   Each meter of fencing costs 10 L.E.
   Find the cost of the new fence.

   4 m
   7 m
   6 m
   9 m

Cumulative Assessments on UNIT 5

Cumulative Assessment 21 Till lesson 1 unit 5

1. Choose the correct answer.

a. 42 is ______ times the number 6.

A. 6 B. 7 C. 8 D. 9

b. $8 + 8 + 8 + 8 + 8 =$ ______

A. $8 \times 8 = 64$ B. $4 \times 8 = 32$ C. $6 \times 8 = 48$ D. $5 \times 8 = 40$

c. $7,000 + 600 + 20 + 1 >$ ______

A. 7,921 B. 8,006 C. 6,997 D. 9,300

d. ______ mL = 3 L , 124 mL

A. 3,124 B. 3,024 C. 1,243 D. 1,324

e. Milliard is the smallest ______ digit number.

A. 5 B. 8 C. 9 D. 10

2. Complete.

a. 24 is ______ times the number 8.

b. The multiplicative comparison statement for

9	9	9	9	9	9

______ is ______ times the number 9.

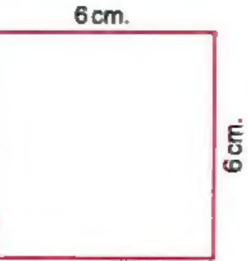
c. 4 days = ______ hours

d. $10 + 10 + 10 + 10 =$ ______ $\times$ ______ $=$ ______

e. The additive identity is ______

3. Find the area and the perimeter of each of the following figures.

a.



Area = ______

Perimeter = ______

b.

Area = ______

Perimeter = ______

4. Compare, write the method you used.

a. 64 and 8 ______

b. 36 and 4 ______

Cumulative Assessment 22 Till lessons (2 & 3) unit 5

1. **Write an equation for each comparison statement.**
Use a letter to represent the unknown. Solve the equation.

a. A number is 6 times the number 5

____

b. 40 is 5 times a number.

____

c. 70 is how many times the number 10 ?

____

2. **Solve.**

a. $n = 2 \times 8$ ______________________________

b. $7 \times k = 49$ ______________________________

c. $b \times 9 = 72$ ______________________________

3. **Choose the correct answer.**

a. 9 m – 80 cm = ________ cm

A. 800 B. 820 C. 720 D. 980

b. If $z \times 8 = 32$, then $z =$ ________

A. 4 B. 8 C. 2 D. 3

c. $341 + 596 =$

A. 837 B. 997 C. 937 D. 255

d. What number is 8 times the number 12 ?

A. 120 B. 80 C. 128 D. 96

4. **Complete.**

a. 5 times the number ________ is 20.

b. 4 times the number 9 is ________

c. If $n \times 3 = 15$, then $n =$ ________

d. The place value of the digit 5 in the number 3,452,162 is ________

e. 3 tons = ________ kg

Cumulative Assessment 23 Till lessons (4 & 5) unit 5

1. Complete.

a. $30 \times$ ______ $= 5 \times 30$

b. $3 \times 2{,}000 =$ ______

c. $3\text{ L} + 155\text{ mL} =$ ______ mL

d. $980 \times 0 =$ ______

e. $1 \times 65 =$ ______

f. $18{,}000 =$ ______ thousands

2. Choose the correct answer.

a. $18 \times 10 =$ ______

A. 28 B. 108 C. 1,180 D. 180

b. $80 \times 7 =$ ______

A. 560 B. 56 C. 5,600 D. 87

c. 5,000 m = ______ km

A. 50 B. 500 C. 55 D. 5

d. The perimeter of the rectangle with 8 cm long and 4 cm wide equals ______ cm.

A. 24 B. 12 C. 32 D. 16

3. Put (< , > or =).

a. 7 kg , 40 g ◯ 6 kg , 550 g

b. 1×258 ◯ $1 + 258$

c. 3×200 ◯ 300×2

d. 8×6 ◯ 6×8

4. Martin has 36 marbles. Write an equation using the Commutative Property of Multiplication to describe two ways he can arrange them.

______

5. Hany bought 4 mobiles , the price of each mobile is 3,000 pounds. How much did Hany pay ?

______

Cumulative Assessment 24 Till lessons (6 & 7) unit 5

1. Solve each problem.

a. $4 \times (3 \times 3) =$ ________ = ________

b. $6 \times (2 \times 5) =$ ________ = ________

c. $(4 \times 2) \times 7 =$ ________ = ________

d. $(9 \times 10) \times 3 =$ ________ = ________

e. $(5 \times 8) \times 5 =$ ________ = ________

f. $8 \times (6 \times 10) =$ ________ = ________

2. Complete.

a. 270 = ________ tens

b. The time is ___ : ___

c. 18,000 = ________ hundreds

d. 80 = ________ × 10

e. 5 times the number ________ is 40.

f. 7 + 7 + 7 + 7 + 7 = 7 × ________

3. Use decomposing and the Associative Property of Multiplication to solve.

a. $8 \times 300 =$ ________________

b. $5 \times 7{,}000 =$ ________________

4. Ayman has 5 bags, each bag has 8 packs of coloring pencils, if each pack has 6 coloring pencils, how many pencils Ayman has?

____

____

5. Choose the correct answer.

a. 7,000,000 + 800,000 + 3,000 + 60 = ________

A. 7,803,060 B. 7,830,600 C. 8,703,006 D. 7,803,006

b. $2 \times 6 \times 100 =$ ________

A. 120 B. 1,200 C. 12,000 D. 612

c. 26,473 ≈ ________ (to the nearest Ten)

A. 26,400 B. 26,470 C. 26,000 D. 26,500

d. 3,582 + 5,076 = ________

A. 8,558 B. 8,568 C. 8,658 D. 8,865

e. The value of the digit 7 in the number 3,576,241,198 is

A. 70,000 B. 700,000 C. 7,000,000 D. 70,000,000

General Revision On Unit 5

1. Complete.

1. $500 \times 7 =$ ______ [El-Monofia - Sadat City 23]
2. If $A \times 6 = 18$, then $A =$ ______ [Giza - Abo El-Nomros 23]
3. $20 \times 6 =$ ______ $\times 20$ [Cairo - El-Shrouk 23]
4. $600 \times 3 =$ ______ [Cairo - El-Shrouk 23]
5. The product of multiplying a number × zero = ______ [El-Monofia 23]
6. Maha saves 10 pounds of her expenses every day. How much does she save per week ?
   She saves ______ [El-Monofia - Sers El-Layyan 23]
7. $30 \times 50 =$ ______ [Ismailia 23]
8. $6{,}000 \times$ ______ $= 42{,}000$ [Cairo 23]
9. $200 \times 3 =$ ______ [Cairo - El-Nozha 23]
10. If $1{,}000 \times Z = 3{,}000$, then $Z =$ ______ [Cairo - El-Nozha 23]
11. $(42 \times 15) \times$ ______ $= 42 \times (15 \times 25)$ [Giza 23]
12. $12 \times 45 =$ ______ $\times$ ______ is called commutative property. [Alex. - Al-Agamy 23]
13. $7 + 7 + 7 + 7 = 7 \times$ ______ [Giza 23]
14. $30 \times 70 =$ ______
15. ______ $\times 70 = 3{,}500$ [Ismailia 23]
16. 5 times ______ $= 45$ [Alex. - El-Montaza 23]

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2. Choose the correct answer.

1. $6 \times 0 =$ ______ [El-Menia 23]

   A. 0 B. 1 C. 2 D. 3

2. If $a \times 13 = 13 \times 7$, then $a =$ ______ [El-Menia 23]

   A. 1 B. 2 C. 7 D. 4

3. Which of the following represents the associative property ? [El-Beheira 23]

   A. $11 \times 129 = 129 \times 11$
   B. $2 \times (5 \times 3) = (2 \times 5) \times 3$
   C. $0 \times 17 = 0$
   D. $(2 \times L) \times w$

4. $5 \times 7 = 7 \times 5$ the property is called ______ [El-Beheira 23]

   A. associative B. commutative C. additive identity D. none of the previous

5. $25 \times 32 = 32 \times$ .... [El-Kalyoubia 23]

A. 32 B. 25 C. 30 D. 20

6. $4 \times 100 =$ ....

A. 40 B. 400 C. 4,000 D. 40,000

7. If $850 \times m = 850$, then $m =$ .... [Ismailia 23]

A. 1 B. 850 C. 2 D. 0

8. Which choice best shows the zero property of multiplication ? [Cairo - El-Nozha 23]

A. $1 \times 5 = 5$ B. $9 \times 6 = 6 \times 9$

C. $6 \times 10 = 60$ D. $0 \times 5 = 0$

9. 45 is .... times the number 5 [Cairo - Al-Khalifa and Al-Mokattam 23]

A. 9 B. 6 C. 5 D. 40

10. The number 42 is 6 times the number .... [Giza 23]

A. 7 B. 9 C. 8 D. 5

11. The number 30 equals 5 times the number .... [Cairo - El-Marg 23]

A. 6 B. 5 C. 150 D. 25

12. A building is 20 meters high. A bridge is 5 meters long. How many times the building is longer than the bridge ? [Alex. - Al-Agamy 23]

A. 3 B. 4 C. 15 D. 10

13. In the equation $6 \times b = 42$, then $b =$ .... [Alex. - West 23]

A. 8 B. 5 C. 6 D. 7

14. $34 \times$ .... $= 3,400$ [Alex. - West 23]

A. 1 B. 10 C. 100 D. 1,000

15. $80 \times 60 =$ .... $\times 100$ [Giza 23]

A. 84 B. 80 C. 48 D. 4,800

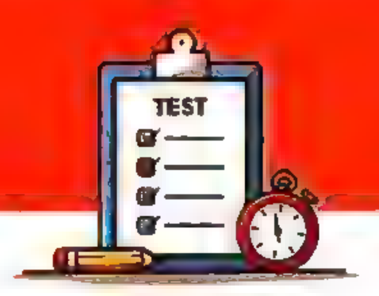
16. $2 \times (5 \times 4) = (2 \times$ .... $) \times 4$ [Souhag 23]

A. 0 B. 1 C. 10 D. 5

3. Answer each of the following.

1. Sarah walked 5,000 meters every day for 9 days, what is the total number of kilometers that Sarah walked ? [Cairo - El-Shrouk 23]
2. Mariam bought 4 mobiles, the price of each mobile is 1,000 pounds, how much did Mariam pay ? [Giza 23]
3. Ahmed bought 10 pens, if the price of a pen is 200 piasters, what is the price of all pens ? [Giza 23]
4. Ali travelled 8 days continuously, he travelled 3,000 m each day. How many kilometers did he travel in all ? [Souhag 23]
5. Ayman ate 4 figs in the morning. His older brother ate 3 times as many. How many figs did his brother eat ? [Giza - 6th October 22]
6. Hany works 30 hours a week. If he gains L.E. 8 per hour. How much does Hany gain in a week ?

Unit Five Assessment



1. Choose the correct answer.

1. $5 \times 9 = 9 \times$ ______

   A. 5 B. 9 C. 14 D. 4

2. $375 \times$ ______ $= 37{,}500$

   A. 10 B. 100 C. 1,000 D. 10,000

3. $0 \times 25 =$ ______

   A. 25 B. 1 C. 0 D. 250

4. Which equation would be the best to include in an explanation of the Commutative Property of Multiplication?

   A. $3 \times 5 = 5 \times 3$
   B. $4 \times 16 = (4 \times 11) + (4 \times 5)$
   C. $(6 \times 4) \times 2 = 6 \times (4 \times 2)$
   D. $5 \times 1 = 5$

5. Which equation would be the best to include in an explanation of the Associative Property of Multiplication?

   A. $(9 \times 12) \times 0 = 0$
   B. $(4 \times 6) \times 1 = 4 \times 6$
   C. $(3 \times 7) \times 2 = 3 \times (7 \times 2)$
   D. $7 \times 6 = 6 \times 7$

6. A box has 7 green balls. The box has yellow balls 5 times as many as green balls. How many yellow balls are in the box?

   A. 12 B. 35 C. 2 D. 75

7. The bar model | 3 | 3 | 3 | 3 | 3 | represents that the number ______ is 5 times number 3 (Giza - Abo El-Nomros 23)

   A. 8 B. 15 C. 20 D. 30

2. Complete.

1. $4 \times 3 \times 7 = 4 \times$ ______ (Cairo - El-Kobba 22)
2. The multiplicative equation of $8 + 8 + 8 + 8 + 8 = 40$ is ______
3. The Multiplicative Identify Element is ______ (Alexandria - Montaza 22)
4. $3{,}200 =$ ______ Hundreds
5. $4 \times 7 = 7 \times 4$ ______ Property of Multiplication. (Port Said 22)

6. If $A \times 7 = 21$, then $A =$ ______
7. If $1,000 \times Z = 3,000$, then $Z =$ ______ [Cairo - El-Nozha 23]
8. 7 times as the number 5 = ______ [Cairo - El-Shrouk 23]

3. Choose the correct answer.

1. The number 15 equals 5 Times the number [Cairo - Rod El-Farag 23]
   A. 4 B. 5 C. 3 D. 15
2. If $X \times 10 = 100$ then $X =$ ______ [Souhag 23]
   A. 10 B. 5 C. 15 D. 20
3. $0 \times 216 =$ ______ [Alex. 23]
   A. 216 B. 2,160 C. 1 D. 0
4. $13 \times 24 = 24 \times 13$ represents ______ Property. [Giza 23]
   A. Associative B. Commutative
   C. Multiplicative Identity D. Distribution
5. What is the number that is 10 times the number 18 ? [El-Menia 23]
   A. 28 B. 1,800 C. 180 D. 18
6. If $a \times 4 = 4 \times 2$, then $a =$ ______ [Giza 23]
   A. 8 B. 4 C. 2 D. 6
7. $2 \times [7 \times 4] = [2 \times$ ______ $] \times 4$
   A. 2 B. 7 C. 4 D. 28

4. Answer the following.

1. Ayman ate 4 figs and his brother ate 3 times as him, how many figs did his brother eat ?
   His brother ate = ______ [Cairo - El-Shrouk 23]
2. Hany bought 3 packs of water bottles. Each pack had 3 rows of 4 water bottels. How many water bottles did Hany buy ? [Giza 23]
3. Apply the properties of multiplication to solve the problems.
   a. $3 \times 2 \times 4$ b. $5 \times 7 \times 2$
4. Find the unknown value.
   a. $7 \times 5,000 = 7 \times 5 \times m$ b. $[3 \times 7] \times 6 = 3 \times [m \times 6]$
   c. $9 \times 4 = 4 \times m$ d. $248 \times m = \text{zero}$

Cumulative Assessment 25 Till lessons (1 & 2) unit 6

1. Choose the correct answer.

a. 4 is a factor of ______

A. 14 B. 12 C. 22 D. 42

b. 30 = 5 × ______

A. 6 B. 5 C. 8 D. 7

c. 48 is 6 times the number ______

A. 6 B. 9 C. 7 D. 8

d. ______ is a factor of 27.

A. 4 B. 5 C. 9 D. 10

e. The missing factor in the factor rainbow is ______

A. 6 B. 12

C. 24 D. 36



2. Complete.

a. All factors of 6 are ______

b. ______ is the only even prime number.

c. 76 × 1,000 = ______

d. The value of 8 in the number 387,064,100 is ______

e. 8 kg , 8 g = ______ g

f. 789 mm = ______ cm , ______ mm

g. The side length of a square = the perimeter of the square ÷ ______

3. Write.

a. All the factors of 32

______

b. All the factors of 23

______

c. All prime numbers between 20 and 40

______

d. All composite numbers between 50 and 65

______

Cumulative Assessment 26 Till lesson 3 unit 6

1. Write the common factors of each pair of numbers.

a. 12 and 28

b. 30 and 42

c. 19 and 8

2. Complete.

a. G.C.F of 18 and 40 is ……

b. $100 \times 24 =$ ……

c. $(5 \times 8) \times 7 =$ …… $\times$ …… $=$ ……

d. G.C.F of 10 and 25 is ……

e. $3,275 \approx$ …… rounding to the nearest Hundred.

3. Choose the correct answer.

a. The common factor of all numbers is

A. 1 B. 0 C. 2 D. 10

b. 38,265 m <

A. 38 km B. 38 km + 100 m C. 83 km D. 83 m

c. 3 and 7 are factors of

A. 36 B. 18 C. 35 D. 42

d. $7 + 7 + 7 + 7 =$

A. 4×7 B. $7 + 4$ C. 7×7 D. $7 + 7$

e. If $3,000 - x = 1,391$, then $x =$

A. 4,391 B. 2,391 C. 1,609 D. 2,609

4. Bassem has 48 pens and 40 pencils, he wants to put them in packs so that each pack has the same number of pens and the same number of pencils. What is the greatest number of packs? What is the number of pens and pencils of each pack?

Cumulative Assessment 27 Till lessons (4 & 5) unit 6

1. Complete.

a. The common multiple for all numbers is ______

b. The smallest prime number is ______

c. 50,000,000 + 341,000 + 143 = ______

d. In the opposite bar model, the value of b = ______.

e. 5 km – 3,000 m = ______ km

b	
3,301	2,001

2. Choose the correct answer.

a. 38,294,182 rounded to the nearest Hundred Thousand is

A. 38,200,000 B. 30,000,000 C. 38,290,000 D. 38,300,000

b. ______ is a multiple of 8.

A. 56 B. 42 C. 36 D. 18

c. ______ is not a multiple of 6.

A. 36 B. 0 C. 26 D. 24

d. 0 is a common multiple of ______

A. 10 and 8 only. B. all numbers. C. 6 and 9 only. D. 4 and 5 only.

3. List.

a. All multiples of 3 up to 30

______

b. All factors of 36

______

c. Two common multiples of 2 and 5

______

4. Bassem has a swimming practice every five days of July, beginning July 5
How many times he will go to his practice in July?

______

______

Cumulative Assessment 28 Till lesson 6 unit 6

1. Complete.

a. 15 is a multiple of 5, then ______ is a factor of ______

b. Write 3 factors of 36 ______, ______, ______

c. $3 \times 20 =$ ______ $\times 3$

d. 280,000 = ______ thousands

e. The numbers 1, 3, 9, 27 are all factors of ______

2. Choose the correct answer.

a. 45 is a multiple of ______

A. 7 B. 9 C. 6 D. 2

b. 8 is a multiple of ______ and ______

A. 2, 6 B. 4, 12 C. 4, 8 D. 8, 16

c. If $5 \times a = 35$, then a = ______

A. 7 B. 5 C. 6 D. 8

d. G.C.F of 36 and 24 is ______

A. 8 B. 12 C. 9 D. 6

e. A number has only two factors and their sum is 8, then the number is ______

A. 3 B. 5 C. 6 D. 7

3. a. The number is an even number, it is a multiple of 3 and 5 and lies between 20 and 40 What number is it?

______

b. The number is an odd number, it is a multiple of 3 and a factor of 18 and lies between 5 and 15. What number is it?

______

4. Find the relationship between the numbers in each group. Write at least two sentences describing each relationship.

a. 2, 5 and 10

______

______

b. 4, 6, 12 and 30

______

______

General Revision On Unit 6

1. Complete.

1. ________ is the only even prime number. [Cairo - El-Khalifa and El-Mokattam 22]

2. The number that has only two factors and their sum equals 8 is ________ [El-Monofia - Quesna 22]

3. The common factor of all numbers is ________ [El-Dakahlia 22]

4. The numbers 1 , 3 , 9 , 27 are all factors of ________ [Damietta 22]

5. The number of factors of the prime number is ________ [El-Menia - Samalot 22]

6. ________ is the common multiple for all numbers. [El-Monofia - Sadat City 23]

7. The number 4 has ________ factors.

8. The missing factor in the opposite rainbow is ________



[El-Monofia - Sers El-Layyan 23]

9. The smallest prime number is ________ [Cairo 23]

10. The G.C.F of 8 and 16 is ________ [Giza 23]

11. The factor pair 3 and 8 is for the number ________

12. The G.C.F of 20 and 30 is ________

13. Write 3 multiples of 5 ________ , ________ , ________

14. If $4 \times 9 = 36$, then ________ is a multiple of the two numbers ________ and ________

15. If $7 \times 3 =$ ________ , then ________ is a multiple of the two numbers 7 and 3

16. The missing factor in the opposite factor T-chart is ________

Factors of 18	
1	18
2	◯
3	6

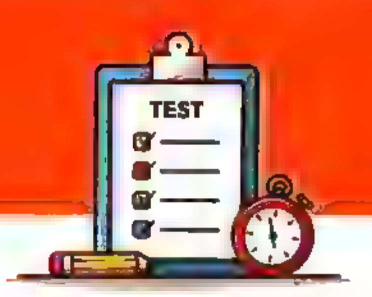
2. Choose the correct answer:

1. Which of the following is NOT a multiple of 7 ? [Cairo - Heliopolis 22]
   A. 42 B. 63 C. 707 D. 27
2. Which is NOT a common multiple of 9 and 6 ? [Cairo - El-Khalifa and El-Mokattam 22]
   A. 36 B. 54 C. 27 D. 18
3. Which number is the greatest common factor [G.C.F] of 12 and 6 ?
   A. 2 B. 3 C. 6 D. 12 [Alex. - West 22]
4. The prime number has ________ factors only. [El-Dakahlia 22]
   A. 0 B. 1 C. 2 D. 4
5. ________ is a factor of 63 [Port Said 22]
   A. 2 B. 5 C. 7 D. 11
6. The list of all the factors of 16 is ________ [Beni Suef 22]
   A. 1 , 16 B. 2 , 4 , 8 C. 1 , 2 , 4 , 8 , 16 D. 1 , 2 , 4 , 6 , 8 , 16
7. ________ is the smallest prime number. [El-Monofia Sadat City 23]
   A. 0 B. 1 C. 2 D. 3
8. ________ is a factor of 14. [El-Monofia - Sadat City 23]
   A. 2 B. 3 C. 4 D. 5
9. The even number which is a multiple of : 3 , 4 , 6 together is ________ [Aswan 23]
   A. 20 B. 18 C. 28 D. 12
10. ________ is a multiple of 2 [Aswan 23]
    A. 3 B. 5 C. 11 D. 8
11. Which of the following is a prime number ? [El-Menia 23]
    A. 4 B. 7 C. 15 D. 18
12. ________ is a common multiple of all numbers. [El-Menia 23]
    A. 0 B. 1 C. 2 D. 3
13. The smallest odd prime number is ________ [Cairo 23]
    A. 0 B. 1 C. 2 D. 3
14. 25 is a multiple of ________ [Cairo 23]
    A. 5 B. 7 C. 9 D. 10
15. 30 is a multiple of ________ [El-Beheira 23]
    A. 8 B. 7 C. 6 D. 4
16. The number ________ is a factor of the number 8 [Cairo - El-Salam 23]
    A. 16 B. 24 C. 32 D. 4

3. Answer each of the following.

1. Find the G.C.F of 25 and 35 [Giza - Dokki 22]
2. Write all factors of the number 24 , then decide if the number is a prime or composite. [Giza - 6th October 22]
3. Write the common factors of 12 and 18 , then find the greatest common factor [G.C.F]. [El-Sharkia 22]
4. Find the G.C.F of 30 and 45 [Ismailia 22]
5. An even number between 20 and 30 some of its factors include : 1 , 2 , 4 , 7 and 14. What is it ? [Suez 22]
6. Find 4 multiples of the number 9 [El-Monofia 23]

Unit Six Assessment



1. Choose the correct answer.

1. The prime number between 30 and 35 is ______ [Cairo 23]
   A. 31 B. 32 C. 33 D. 34
2. The number 8 has ______ factors. [Cairo 23]
   A. 2 B. 3 C. 4 D. 5
3. All the factors of 16 are ______ [Cairo 23]
   A. 1 , 16 B. 2 , 4 , 8 C. 1 , 2 , 4 , 8 , 16 D. 4 , 8 , 16
4. The number ______ is a multiple of the number 4 [El-Kalyoubia 23]
   A. 3 B. 5 C. 18 D. 16
5. The number ______ is the common factor of all numbers. [Giza 23]
   A. 1 B. 0 C. 2 D. 3
6. ______ is not a multiple of 6 [Alex. - El-Montaza 23]
   A. 30 B. 36 C. 16 D. 24
7. ______ is a factor of 72 [Aswan 23]
   A. 5 B. 9 C. 7 D. 11

2. Complete.

1. The common factor for all numbers is ______ [Cairo 23]
2. ______ is the common multiple for all numbers. [El-Monofia - Sadat 23]
3. The number of factors of a prime number is ______ [El-Menia - Samlout 22]
4. The only even prime number is ______ [El-Sharkia 22]
5. The G.C.F of 4 and 8 is ______
6. The smallest odd prime number is ______ [El-Beheira - Kafr El-Dawwar 22]
7. A number that has only two factors and their sum of 8 is ______ [Aswan - Kom Ombo 22]
8. The missing factor in the opposite factor rainbow is ______ [Luxor 22]

1 2 3 4 ☐ 12

3. Choose the correct answer.

1. Which number is a multiple of 9 ?
   A. 1 B. 3 C. 27 D. 30

2. The number ______ has the factors 1 , 2 , 4 , 5 , 10 , 20.

   A. 10 B. 16 C. 20 D. 30

3. Which is NOT a common multiple of 3 and 5 ?

   A. 15 B. 30 C. 40 D. 45

4. ______ is NOT a prime number.

   A. 1 B. 2 C. 7 D. 11

5. The multiple of 4 is ______ [Giza 23]

   A. 1 B. 2 C. 3 D. 4

6. The number 7 has ______ factors. [Cairo 23]

   A. 1 B. 2 C. 3 D. 4

7. Which of the following is a prime number ? [Cairo 23]

   A. 10 B. 15 C. 17 D. 12

4. Answer the following.

1. An even number between 20 and 30 , some of its factors include : 1 , 2 , 4 , 7 and 14
   What is it ? The number is ______ [Giza - Awseem 23]

2. Find all factors of 30 and create a factor rainbow and T-chart.

3. Find the multiples of each of the numbers 8 and 12 up to 40, then find the common multiples between them.

4. Find the common factors and the greatest common factor [G.C.F] of 24 and 40.



Assessment 1 on Lesson 1

Unit 4

1 Choose the correct answer:

ⓐ 2,500 centimeters = ... meters (25 or 250 or 25,000 or 2,500)

ⓑ Million is the **smallest** number formed from .... digits (6 or 7 or 10 or 8)

ⓒ A rectangle has a length of 7 cm and a width of 2 cm. Its perimeter is .... (14 or 16 or 18 or 28)

ⓓ Three hundred million, thirty thousand **(In standard form)** = ... (300,030,000 or 300,300,000 or 300,003,000 or 3,300,003)

ⓔ 198 + 214 = ... + 198 (190 or 200 or 214 or 210)

2 Complete the following:

ⓐ A square whose sides are 20 mm, then its perimeter is:

P= ....

ⓑ (4 X 10,000,000) + (2 X 10,000) + (3 X 10) = ...

ⓒ The place value of the digit 6 in 245,602,714 is ....

ⓓ 45 + (55 + 19) = (.................. + 55) + ... (.................. *Property)*

ⓔ 45,000 milliliters = ... liters

3 Find the result of each of the following:

ⓐ 456,258 + 245,051 = ...

ⓑ 500,120 – 150,058 = ...

ⓒ 500,000,000 + 2,000,000 + 400 + 70 + 3 = ...

ⓓ 800,000,000 – 1 = ...

4 Arrange the following numbers in a descending order:

450,000 , 500,400 , 400,500 , 540,000 , 405,000

.... , ... , ... , ... , ...

5 A painting is 5 meters in length and 2 meters in width. Find the perimeter of the necessary frame for this painting.

....

Assessment 2 on Lesson 2

Unit 4

1 Choose the correct answer:

ⓐ A square with side length 8 cm, its area is .... cm^2.
(88 or 32 or 64 or 16)

ⓑ The value of the digit 7 in the Ten Thousands place = ...
(70 or 700 or 7,000 or 70,000)

ⓒ 400 Millions + 40 Thousands + 4 = ...
(4,004,400 or 400,400,400 or 400,040,004 or 4,000,404)

ⓓ A rectangle has a length of 6 cm and a width of 3 cm. Its perimeter is ....
(36 cm^2 or 18 cm or 18 cm^2 or 9 cm^2)

ⓔ 204,000 ..... 20,000 + 4,000
(< or = or >)

2 Complete the following:

ⓐ A rectangle is 10 cm long and 5 cm wide, A = ... cm^2.

ⓑ 45,218 ≈ .... **(Rounded the nearest 10,000)**

ⓒ 50 ten millions = ... thousands.

ⓓ A square has an area of 25 cm^2, the length of its side is ....

ⓔ 100,000 meters = ... kilometers

3 Complete using (<, = or >):

ⓐ 45,025,000 40,525,000

ⓑ 4 X 100,000,000 ..... 4 X 1,000,000,000

ⓒ 4,000 grams ..... 40,000 kilogram

ⓓ 200 millions 2,000,000

4 Calculate the perimeter and area of the corresponding figure:

4 cm, 8 cm, 4 cm, (1), (2)

ⓐ Area = ...

ⓑ Perimeter = ...

5 In a company, a piece of glass is cut to cover the top of a dining table. The table is 8 meters by 6 meters. What is the area of the piece of glass needed for this table?

....

Assessment 3 on Lesson 3

Unit 4

1 Choose the correct answer:

ⓐ A square has a perimeter of 12 cm, then its area is .... cm^2.

(21 or 3 or 9 or 24)

ⓑ The **value** of the digit 9 in 45,952,102 is ....

(9,000,000 or 900,000 or 90,000 or 9,000)

ⓒ 5 + 0 = 5 (.................. *Property*)

(Distributive or Associative or Commutative or Additive Identity Element)

ⓓ 25,452 ≈ 30,000 *(Rounded to the nearest ....)*

(1,000 or 10,000 or 100,000 or 1,000,000)

ⓔ The best unit for measuring the **height** of a school is ....

(kilometers or meters or centimeters or millimeters)

2 Complete the following:

ⓐ A rectangle has an area of 45 cm^2 and a width of 5 cm, then its perimeter is ....

ⓑ 5,065 cm = ... m, ... cm.

ⓒ 300,450 = (3 X ....) + (4 X ....) + (5 X ....)

ⓓ 245 + 218 = ... + 245 (.................. *Property*)

ⓔ If χ + 245 = 786, then χ = ...

3 Calculate the perimeter and area of each of the following shapes:

ⓐ

20 mm

20 mm

....

....

ⓑ

8 cm

4 cm

....

....

4 A city is in the shape of a rectangle. It is 4 kilometers wide and 8 kilometers long. What is the area of this city?

....

Assessment 4 on Lesson 4

Unit 4

1 Choose the correct answer:

ⓐ 2 km + 50 m = ... m (53 or 250 or 2,500 or 2,050)

ⓑ 45 + 35 = ... – 45 (35 or 80 or 145 or 125)

ⓒ 50 m + 5 dm = ... cm (505 or 5,050 or 550 or 55)

ⓓ A **kilogram** is a measuring unit of ....

(length or mass or capacity or time)

ⓔ The digit .... in 745,215,369 is in the **Hundred Thousands** place. (9 or 3 or 2 or 7)

2 Complete the following:

ⓐ A rectangle has an area of **30** cm^2 and a length of **10** cm. Then its perimeter is ....

ⓑ 36,000,250: **(In Word Form)**

....

ⓒ 120 hours = ... days

ⓓ 7,145 ≈ 7,100 *(Rounded to the nearest ....)*

ⓔ A square whose sides are **100** mm, its area is .... cm^2.

3 Calculate the area and perimeter of following shape:

....

....

....

....

....

....

16 cm
9 cm
..... cm
11 cm
6 cm
..... cm

Assessment on Concept 1



1 Choose the correct answer:

ⓐ The perimeter of a square with side length 5 cm is .... cm.

(10 or 15 or 25 or 20)

ⓑ The area of a rectangle with dimensions 7 cm and 2 cm is .... cm^2.

(27 or 18 or 9 or 14)

ⓒ .... is a unit of measuring area. (km or cm or mm or m^2)

2 Complete:

ⓐ The perimeter of the opposite figure is

= ....

5 cm
2 cm
1cm
1cm
2 cm
3 cm
3 cm
9 cm

ⓑ The length of a rectangle is 3 times its width. If its width is 6 m, then its length is .... m.

ⓒ If the area of a square is 49 m^2, then its perimeter is ....

3 Complete using (<, = or >):

ⓐ	The perimeter of a rectangle with a length of 6 cm and a width of 4 cm		The perimeter of a square with a side length 6 cm
ⓑ	The side length of a square with a perimeter of 36 cm		The side length of a square with an area of 25 cm^2
ⓒ	The area of a square with a side length 4 cm		The area of a rectangle with dimensions 9 cm and 3 cm

Assessment on Unit 4



First: Choose the correct answer:

1. A rectangle of 8 cm length and 6 cm width, its **perimeter** is .... cm.
   - ⓐ 8 + 6 + 8 + 6
   - ⓑ 8 X 6 X 8 X 6
   - ⓒ 8 X 6 X 2
   - ⓓ 8 + 6 + 2

2. A rectangle has a length of 9 cm and a width of one third of its length, **then its area** = ... cm^2.
   - ⓐ 12
   - ⓑ 27
   - ⓒ 24
   - ⓓ 36

3. A square has an area of 64 cm^2, then its **perimeter** = ... cm.
   - ⓐ 8
   - ⓑ 16
   - ⓒ 32
   - ⓓ 64

4. A square has a perimeter of 28 cm, then its **area** = ... cm^2.
   - ⓐ 49
   - ⓑ 14
   - ⓒ 7
   - ⓓ 21

5. A rectangle has a perimeter of 24 cm and a length of 9 cm, then its **area** is .... cm^2.
   - ⓐ 3
   - ⓑ 31
   - ⓒ 12
   - ⓓ 27

6. Which of the following is a formula for the **perimeter of a rectangle?**
   - ⓐ P = L + W + 2
   - ⓑ P = (L X W) X 2
   - ⓒ P = (L X 2) + (W X 2)
   - ⓓ P = (L X W) + 2

7. Which of the following is a formula for the **perimeter of a rectangle?**
   - ⓐ P = L + W + L + W
   - ⓑ P = L X 2 X W X 2
   - ⓒ P = (L + 2) X (W + 2)
   - ⓓ P = (L + W) + 2

8. Which of the following is a formula for the **area of a rectangle?**
   - ⓐ A = L X W
   - ⓑ A = L X W X 2
   - ⓒ A = L + W
   - ⓓ A = L + W + 2

9 The area of a rectangle whose length is 9 cm and its width is 4 cm is **equal** to the area of a square that has a **perimeter** of .... cm.

ⓐ 24 ⓑ 36 ⓒ 13 ⓓ 18

10 The perimeter of a square that has an area of 25 cm^2 is equal to the perimeter of a rectangle whose **dimensions** are ....

ⓐ 12 cm, 13 cm ⓑ 8 cm, 12 cm

ⓒ 6 cm, 4 cm ⓓ 5 cm, 5 cm

Second: Complete the following:

1 A rectangle of 15 m length and 10 m width, its **perimeter** is ....

2 If a square has a 6 cm side length, then its **perimeter** is ....

3 A square whose sides are 7 mm has a **surface area** of .... mm^2.

4 A rectangle has a length of 8 cm and a width of 4 cm. Its **surface area** is .... cm^2.

5 A rectangle has a perimeter of 18 cm and a length of 7 cm, then its **area** is .... cm^2.

6 If a rectangle has an area of 72 cm^2 and a width of 8 cm, then its **perimeter** is ....

7 If a square has a perimeter of 36 cm, then its side **length** is .... cm.

8 If a square has an area of 36 cm^2, then its side **length** is .... cm.

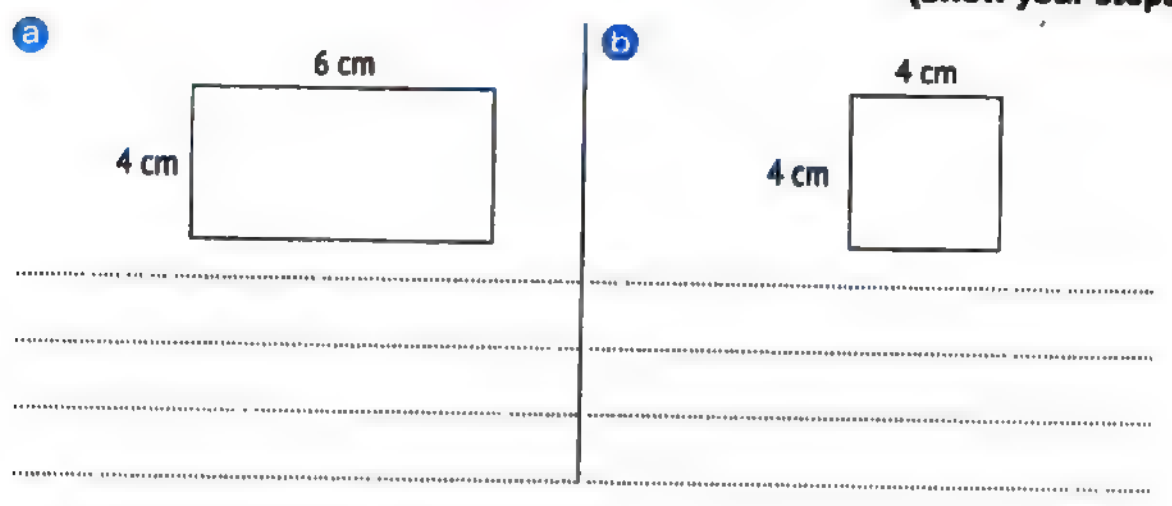
9 If a square has a perimeter of 16 cm, then its **area** is .... cm^2.

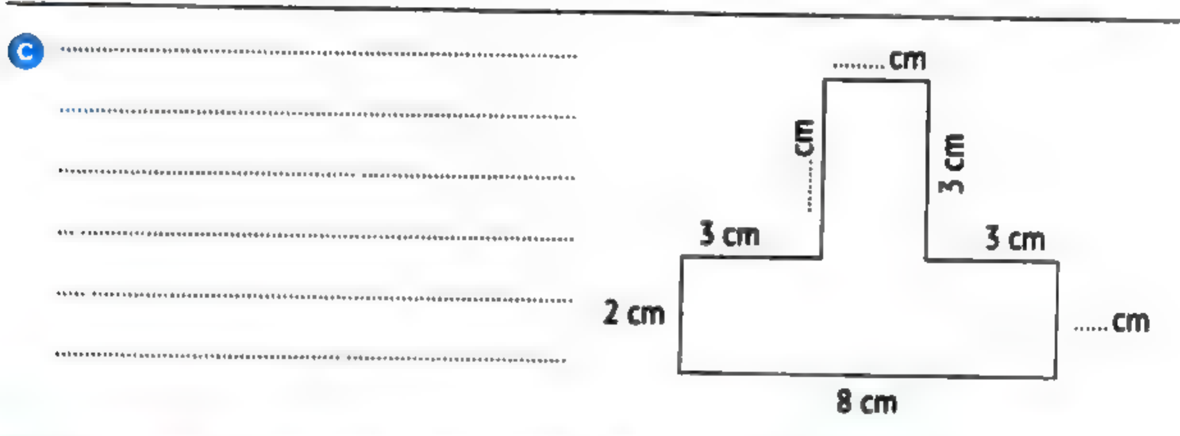
10 If a square has an area of 64 cm^2, then its **perimeter** is .... cm.

Third: Answer the following:

1 Calculate the area and perimeter of each of the following shapes:

(Show your steps)





2 The length of Fatima's rectangular garden is three times its width. If (W) is the width, write an equation that can represent the perimeter of Fatima's garden.

....

....

3 Adam has a rectangular computer keyboard that is 40 cm long and 15 cm wide. How can Adam calculate the perimeter of the keyboard?

....

....

Assessment 1 on Lessons 1 – 3

Unit 5

1 Choose the correct answer:

ⓐ Three milliard, twenty-five thousand, two hundred: ....
(In standard form) (3,025,200 or 3,000,025,200 or 3,000,000,225 or 325,200)

ⓑ If 6 x m = 18, then 18 is .... times as many as m.
(3 or 6 or 2 or 18)

ⓒ A square with side length S and perimeter P, the equation that represents the perimeter is .... (P = S + S or P = S X S or P = S + 4 or P = 4 X S)

ⓓ A square has an area of 36 cm², then its perimeter is ....
(9 or 24 or 12 or 81)

ⓔ 8 + 8 + 8 + 8 = ... (8 + 8 or 8 X 8 or 8 X 4 or 8 + 4)

2 Complete the following:

ⓐ The value of the digit 5 in the Hundred Millions place is ....

ⓑ If 24 is six times a, then 24 = ...

ⓒ 16 + 35 = ... + 16 (.................... Property)

ⓓ If 45 = 9 X u, then 45 is .... times more than u.

ⓔ (7 X 100,000,000) + (2 X 1,000,000) + (8 X 10,000) + (3 X 100)
= .... (In standard form)

3 Arrange the following numbers in an ascending order:

450,005 , 850,600 , 200,755 , 360,450

.... , ... , ... , ...

4 Write an equation to compare each of the following:

ⓐ 12 and 4 **Equation:** ....

ⓑ 20 and 5 **Equation:** ....

ⓒ 16 and 8 **Equation:** ....

ⓓ 54 and 9 **Equation:** ....

Assessment on Concept 1



1 Choose the correct answer:

a) If **24** is **8** times more than a number, then this number is ....

(5 or 3 or 8 or 2)

b) .... is 5 times greater than 7.

(14 or 35 or 21 or 28)

c) The age of Kenzy is 3 times as the age of Retage. If Retage is **6** years old, then the equation .... represents the age of Kenzy.

(3 + 3 + 3 or b X b = 3 or 3 X 6 = b or 3 X b = 6)

2 Complete the following:

a) .... = 6 X 9, then .... is .... times more than **9**

b) Ahmed has **4** apples and his friend has **36** apples. The number of apples with Ahmed's friend is .... times more than what Ahmed has.

c) 16 is .... times greater than 2.

3 Answer the following:

a) Fouad is 56 years old, which is 7 times as the age of his grandson Ahmed. How old is Ahmed? Write an equation representing this comparison and then solve it.

Equation: ....

Solution: ....

b) **Find the value of the unknown:**

1. If c X 8 = 32, then c = ...
2. If a = 9 X 5, then a = ...

Assessment 2 on Lessons 4&5

Unit 5

1 Choose the correct answer:

a) 50 X .... = 2,000 (4 or 40 or 400 or 4,000)

b) If ***a*** X 6 = 24, then ***a*** = ... (30 or 4 or 6 or 24)

c) The value of the digit 6 in the **Millions** place = ... times the value of the digit 6 in the **Thousands** place. (10 or 100 or 1,000 or 10,000)

d) The equation that shows "48 is **six times** greater than ***m***" is ....
(8 + ***m*** = 48 or 8 X ***m*** = 48 or 48 X ***m*** = 6 or 6 X ***m*** = 48)

e) 80 + 0 + 0 + 0 + 5 = ... (800,005 or 805 or 85 or 8,005)

2 Complete the following:

a) (3 + 12) + ... = ... + (12 + 4).

b) 60 X 5,000 = ...

c) 200 Hundred Thousands = ... Millions

d) .... X 20 = 10,000 e) 8 X .... = 8

3 Find the result of each of the following:

a) 45,652 + 44,349 = ...

b) 70,208 – 35,026 = ...

c) 80 X 50 = ...

d) 30 X 1,000 = ...

4 The height of a tree is 2 meters, and the height of a residential building is 10 times the height of the tree.
How high is the residential building?

....

....

Assessment 3 on Lessons 7&8

Unit 5

1 Choose the correct answer:

ⓐ 8 X 300 = 24 X .... (300 or 10 or 100 or 1,000)

ⓑ Three hundred thirty million, three thousand = ...
(In standard form) (300,030,003 or 330,000,030 or 330,003,000 or 330,300)

ⓒ 40 X 50 = 2 X .... (9 or 10 or 100 or 1,000)

ⓓ 50 X 2 = 10 X .... (10 or 100 or 1,000 or 50)

ⓔ If 45 = 9 X ***a***, then ***a*** = ... (54 or 45 or 9 or 5)

2 Complete the following:

ⓐ (9 X 2) X 5 = 9 X (.................. X ....)

ⓑ .... **Hundreds** = 400 X 50

ⓒ The value of the digit 9 in the **Hundred Millions** place is ....

ⓓ (8 X 100,000,000)+ (6 X 100,000)+(3 X 1,000)+ (4 X 100) +(2 X 1)
= .... **(In standard form)**

ⓔ 8 X 30 = 8 X (.......... X 10) = (8 X 3) X .... = ... X 10 = ...

3 Arrange the following numbers in an ascending order:

450,000,002 , 405,200,000 , 450,200,000 , 405,000,002

.... , ... , ... , ...

4 Use the Associative Property of Multiplication to calculate the number of fruits in the following pictures:

ⓐ



....

....

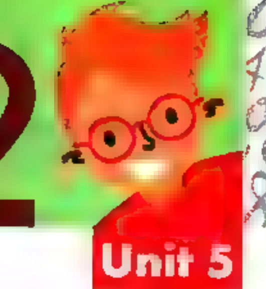
ⓑ



....

....

Assessment on Concept 2



Unit 5

1 Choose the correct answer:

ⓐ Which of the following represents the Associative Property? ....

($(2 \times 3) \times 5 = 2 \times (3 \times 5)$ or $4 \times 1 = 4$ or $3 + 6 = 6 + 3$ or $5 \times 0 = 0$)

ⓑ $3 \times 700 = 3 \times 100 \times$ .... (7 or 30 or 500 or 21)

ⓒ The Multiplicative Identity Element is ....

(1 or 2 or 0 or 3)

2 Complete:

ⓐ If $14 \times 5 = 70$, then .... X .... = 70. **(Commutative Property)**

ⓑ If $a \times 3 = 3 \times 9$, then a = ...

ⓒ $4 \times 5 \times 3$ = (.................. X ....) X ....

= .... X ....

= ....

3 Find the value of the unknown:

ⓐ $65 \times c = 65{,}000$

....

....

ⓑ $8 \times 80 = b$

....

....

ⓒ $y \times 400 = 3{,}600$

....

....

Assessment on Unit 5

First: Choose the correct answer:

1. The equation $18 = 3 \times b$ represents the comparison ....
   - (a) 18 is 6 times more than b
   - (b) 3 is 18 times more than b
   - (c) 18 is 3 times more than b
   - (d) b is 3 times more than 18

2. $8 + 8 + 8 + 8 + 8 =$ ....
   - (a) 8×8
   - (b) $8 + 8$
   - (c) $8 + 5$
   - (d) 8×5

3. $6 \times 4 =$ ....
   - (a) $6 + 6 + 6 + 6$
   - (b) $6 \times 6 \times 6 \times 6$
   - (c) $4 + 4 + 4 + 4$
   - (d) $4 \times 4 \times 4$

4. If $5 \times 7 = \chi$, then ....
   - (a) χ is 7 times more than 7
   - (b) χ is 5 times more than 7
   - (c) 5 is 7 times more than χ
   - (d) χ is 5 times more than 5

5. The **equation** that represents "**12 is 3 times as many as m**" is ....
   - (a) $12 = 3 \times m$
   - (b) $m = 3 \times 12$
   - (c) $3 = 12 \times m$
   - (d) $m = 36 \times 3$

6. The equation that represents "**28 is 4 times greater than n**" is ....
   - (a) $28 = 4n$
   - (b) $28n = 4$
   - (c) $28 = 4 + n$
   - (d) $28 - n = 4$

7. If $8 \times 5 = a \times 8$, then $a =$ ....
   - (a) 40
   - (b) 8
   - (c) 5
   - (d) 64

8. $200 \times$ .... $= 10,000$

   (a) 5 (b) 50 (c) 500 (d) 5,000

9. $8 \times 5 \times 4 = (8 \times 5) \times 4 =$ .... $\times 4$

   (a) 40 (b) 8 (c) 20 (d) 10

10. $8 \times 500 = 40 \times$ ....

   (a) 5 (b) 100 (c) 10 (d) 1,000

Second: Complete the following:

1. $3 \times 4 \times 5 = 3 \times$ ....
2. $9 \times 3 =$ .... + ... + ...
3. The equation that represents "**36 is 4 times greater than *n***" is ....

   ....

4. If $5\chi = 35$, then $\chi =$ ....
5. $20 \times 50 = 50 \times$ ....
6. .... $= 80 \times 500$
7. $600 \times$ .... $= 30,000$
8. $(5 \times 8) \times 6 =$ .... $\times$ .... $=$ ....
9. $6 \times 30 = 18 \times$ .... $=$ ....
10. $9 \times$ .... $= 36 \times 100 =$ ....

Third: Write an equation for the following comparisons. Use letters to represent the unknown, then find their values:

1. ***m*** is 8 times greater than 6.

   Equation: .... **Solution:** ....

2. 24 is 8 times more than ***n***.

   Equation: .... **Solution:** ....

3. 21 is ***a*** times as many as 3.

   Equation: .... **Solution:** ....

4. ***x*** is 6 times greater than 7.

   Equation: .... **Solution:** ....

Fourth: Answer the following:

a Mahmoud has 20 crayons, which is 5 times more than the number of crayons that Hazem has. How many crayons does Hazem have? Write a multiplication equation representing this problem, and then solve it.

....

....

b Nader has 12 oranges. Write an equation using the Com[illegible] Property of Multiplication to describe the two ways in which he can arrange the oranges.

....

....

c Use the Associative Property of Multiplication to calculate the number of marbles in the following picture.

....

....

Assessment 1 on Lessons 1&2

Unit 6

1 **Find the result:**

ⓐ 4,589 + 1,628 = ...

ⓑ 9,028 − 4,409 = ...

ⓒ 500 X 80 = ...

ⓓ 8 X 400 = ... X 100 = ...

2 **Choose the correct answer:**

ⓐ All prime numbers are **odd** numbers, except .... is an **even** number. (1 or 2 or 3 or 0)

ⓑ 45 million, 40 thousand, and 5 = ... in **standard form.** (50,004,400 or 45,400,500 or 45,040,005 or 45,040,500)

ⓒ 4 X (6 X 3) = (4 X 6) X 3 (.......... *Property)*
(Identity or Commutative or Associative or Distributive)

ⓓ A rectangle has a length of 5 cm and a width of 3 cm. Its area is .... cm^2. (53 or 15 or 16 or 8)

ⓔ 6 is composite number because it has ....
(one factor only or two factors only or more than two factors or no factors)

3 **Complete the following:**

ⓐ The **smallest odd** prime number is ....

ⓑ (8 X 100,000,000) + (3 X 100,000) + (2 X 1,000) + (5 X 1)
(In standard form) = ...

ⓒ 90 X 300 = 27 X ....

ⓓ The prime numbers between 60 and 70 are ....

ⓔ The number of factors of 25 is ....

4 **Find all the factors of each of the following numbers:**

ⓐ 40

The factors of 40 are:
....

ⓑ 28

The factors of 28 are:
....

Assessment 2 on Lesson 3

1 **Complete the following:**

ⓐ 50,002,000 = (5 X ....) + (2 X ....).

ⓑ The **greatest common factor** of 9 and 6 is ....

ⓒ 90 x 500 = ...

ⓓ (6 x 5) x 80 = ... x .... = ...

ⓔ 600,000,000 + 400,000 + 20,000 + 300 + 20 = ...

2 **Choose the correct answer:**

ⓐ 4 X (20 X ....) = (4 X 20) X 7 (4 or 20 or 7 or 80)

ⓑ The **greatest common factor** of 8 and 12 is .... (1 or 2 or 4 or 6)

ⓒ 9 x 500 = 45 x .... (1 or 10 or 100 or 1,000)

ⓓ A square has an area of 25 cm^2, its perimeter is .... cm. (25 or 5 or 20 or 50)

ⓔ 5,000 meters = ... kilometers. (5 or 50 or 500 or 5,000)

3 **Find the greatest common factor of 30 and 45:**

Factors of 30 are: ....

Factors of 45 are: ....

The common factors are: ....

The greatest common factor (GCF) is: ....

4 **Maryam practices swimming and spends a third of an hour swimming every day. What is the total number of minutes she spends swimming in 5 days?**

....

....

Assessment on Concept 1



1 Choose the correct answer:

ⓐ The **smallest** odd prime number is .... (3 or 2 or 7 or 11)

ⓑ The numbers **(1, 7, 14, 2)** are factors of ....

(14 or 7 or 5 or 24)

ⓒ The greatest common factor of **21** and **35** is ....

(5 or 7 or 8 or 3)

2 Complete:

ⓐ The number of factors of **9** is ....

ⓑ The .... number has **two** factors only.

ⓒ The greatest common factor of **7** and **5** is ....

3 Match:

ⓐ The **smallest** even prime number is • • 6 [1]

ⓑ The **greatest** common factor of 40 and 50 is • • 2 [2]

ⓒ A factor of **24** is • • 10 [3]

4 A farm with 15 ducks and 25 chickens. Divide these birds into groups equal in number.

How many groups are there? How many ducks and chickens are in each group? ....

....

Assessment 3 on Lessons 4-6

Unit 6

1 **Choose the correct answer:**

ⓐ Eight million, eighty **(In standard form):** ……………

(80,000,008 or 8,000,080 or 8,080,000 or 8,800,000)

ⓑ 12 is a **common multiple** of 3 and …………… . (5 or 4 or 9 or 7)

ⓒ A …………… is the best unit for measuring the **length** of an ant.

(centimeter or millimeter or meter or kilometer)

ⓓ 50 x …………… = 20,000 (4 or 40 or 400 or 4,000)

ⓔ 40 million x 100 = ……………

(400 million or 4 milliard or 40 milliard or 40 million)

2 **Complete the following:**

ⓐ The place value of the digit 9 in 59,258,156 is …………… .

ⓑ 45,568 + 54,432 = ……………

ⓒ The number 45,985 rounded to the nearest 100 ≈ …………… .

ⓓ A square whose **perimeter** is 20 cm, its side length = …………… cm.

ⓔ A **common multiple** of the numbers 6, 8 and it lies between the numbers 20 and 30: (……………).

3 **Find the multiples of each of 4 and 6, up to 30. Then find the common multiples between them:**

– The multiples of 4 are: …………………………………………

– The multiples of 6 are: …………………………………………

– The common multiples of the two numbers are: ……………………

…………………………………………………………………………

4 **Shaimaa went to the club at 8:45 a.m. and came back at 10 a.m. How long has she been in the club?**

…………………………………………………………………………

…………………………………………………………………………

Assessment on Concept 2

Unit 6

1 Choose the correct answer:

ⓐ The **common multiple** of all numbers is .... (1 or 9 or 4 or 0)

ⓑ All the following numbers are multiples of 3, except ....

(17 or 24 or 18 or 9)

ⓒ 27 is a common multiple for 9 and .... (2 or 5 or 3 or 7)

2 Complete the following:

ⓐ 12 has .... factors which are ....

ⓑ .... is a common multiple of 4 and 8.

ⓒ .... is a multiple of 9, and between 30 and 40.

3 Match:

ⓐ A multiple of 5 is • — • 1 [1]

ⓑ A factor of 16 is • — • 40 [2]

ⓒ The **common factor** of all numbers is • — • 8 [3]

4 Complete:

ⓐ If 4 X 6 = 24, then:

[1] 24 is a multiple of .... and ....

[2] .... and .... are factors of ....

ⓑ If 30 is a multiple of 5 and 6, then .... X .... = ...

ⓒ If 4 and 7 are factors of 28, then .... X .... = ...

Assessment on Unit 6



First: Choose the correct answer:

1. The number of **factors** of 16 is ....

   (a) 3 (b) 4 (c) 5 (d) 6

2. 17 is a **prime** number because ....

   (a) it has one factor only (b) it has two factors only
   (c) it has no factors (d) it has more than two factors

3. The number that has the **factors** (1 , 2 , 3 , 4 , 6 , 8 , 12 , 24) is ....

   (a) 8 (b) 12 (c) 24 (d) 36

4. The **smallest odd** prime number is ....

   (a) 0 (b) 1 (c) 2 (d) 3

5. The **greatest common factor** of 24 and 36 is ....

   (a) 6 (b) 12 (c) 4 (d) 3

6. .... is a **common multiple** of 8 and 6.

   (a) 12 (b) 16 (c) 48 (d) 36

7. If 6 X 8 = 48, then ....

   (a) 48 is a multiple of 6 and 8 (b) 48 is a factor of 6
   (c) 48 is the sum of 6 and 8 (d) 6 is a factor of 8

8. .... is an **odd** number and a **multiple** of the two numbers 5 and 7.

   (a) 70 (b) 49 (c) 35 (d) 25

9. .... is an **even** number and a **multiple** of the two numbers 5 and 3.

   (a) 15 (b) 45 (c) 60 (d) 50

10. .... is an **even** number, and (2 , 3 , 6 , 9) are of its **factors**.

    (a) 30 (b) 24 (c) 45 (d) 36

Second: Complete the following:

1 The **factors** of 14 are .... , ... , ... , ...

The **smallest odd** prime number is ....

The **prime numbers** between 20 and 40 are .... , ... ,

...................., and ....

The number that has **two factors only** is called a .... number.

The **smallest** two-digit prime number is ....

is a factor of a number if the **Ones** digit of this number

is ....

Multiples of 6, up to 20 are ....

The **common multiples** of 4 and 6 between 20 and 50 are ....

The relationship between the numbers 5, 6 and 30 is that

30 is a .... for 5 and 6.

.... is a prime number and the sum of its factors is 8.

Third: Find the greatest common factor for 40 , 32:

The factors of 40:

....

The factors of 32:

....

The **common factors** are: ....

The **greatest common factor** (GCF) is: ....

Fourth: **Find the multiples of 6 and 8, up to 50, then find the common multiples between them:**

The **multiples** of 6 are: ....

The **multiples** of 8 are: ....

The **common multiples** of the two numbers are: ....

Fifth: There is an alarm that rings every 3 hours and another alarm that rings every two hours. If they ring together at 12:00, when will they ring again together? (Show your steps)

....

....

....

....

....

....

Sixth: Hana has 12 red balloons, 18 blue balloons, and 24 white balloons. Hana wants to form **equal groups** of balloons, so that all groups contain the same number of balloons of different colors.

How many groups can be formed?

How many balloons of each color are in each group?

....

....

....

....

....

....



Al-Adwaa Assessment 1



1 **Rania had a rectangular farm that is 20 meters wide and 28 meters long. If she needs to build a wooden fence around her entire farm, calculate how many meters of wood she needs to build the fence. She needs ....** (3)

a) 96 m b) 560 m c) 40 m d) 47 m

---

2 **The length of a rectangle is C. The width is H. What is the equation used to calculate the perimeter?** (3)

a) C + H b) C × H c) (2 × C) + (2 × H) d) 2 × (C + H)

---

3 **Laila has a rectangular garden that is 40 meters long and 20 meters wide. How can Laila calculate the area of her garden? She should use the formula .... to calculate the area which is .... meters square.** (3)

Formula
(2 × 40) + 20
40 × 20
(2 × 40) + (2 × 20)
40 + 20

Value
100
2
60
800

---

4 **Which rectangles have a perimeter of 40 meters? Select two correct answers.**



a) Rectangle A : 4 meters wide and 4 times as long.

b) Rectangle B : 1 meter wide and 5 times as long.

c) Rectangle C : 5 meters wide and 3 times as long.

d) Rectangle D : 4 meters wide and 2 times as long.

e) Rectangle E : 2 meters wide and 6 times as long.

---

5 **Samir's rectangular garden has a length that is four times its width. If G represents the width, which two equations could represent the perimeter of Samir's garden?**



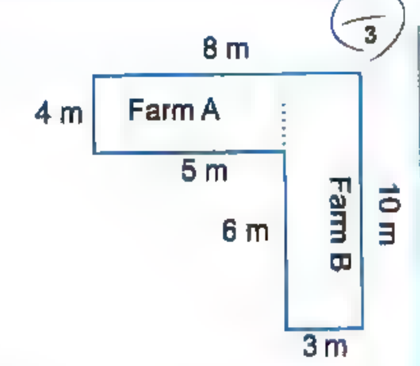
a) P = (4 × G × 2) + (G × 2) b) P = 4 × G × G

c) P = (2 × G) + (4 × G × 2) d) P = (4 × w) + (4 × G)

e) P = (G × 2) + (G × 2) + 4

6 **Rahaf wants to go for a walk around a park that connects two rectangular farms "A" and "B". How could she calculate the distances he will walk around the park? Choose the correct answer from the following:**

3



a) Multiply 3 and 5 for Farm "A" and multiply 2 and 10 for Farm "B", then add those products to get a total perimeter of 35 meters.

b) Multiply the dimensions of the park, which are 8, 3, 5, 6, 4 and 10 to get a total perimeter of 28800 meters.

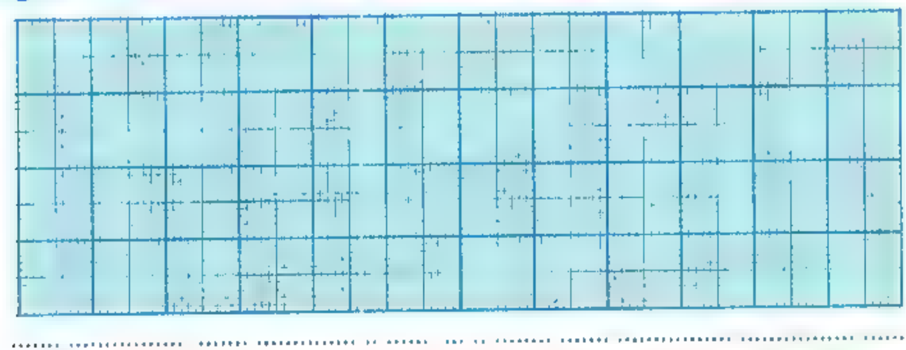
c) Add together the dimensions of Farm "A", which are 4, 5, 4 and 5, and the dimensions of Farm "B", which are 3, 10, 3 and 10 to get a total perimeter of 26 meters.

d) Add together the dimenstions of the park, which are 10, 3, 5, 6, 4 and 8 to get a total perimeter of 36 meters.

---

7 **Sherif draws a big rectangle that consists of two rectangles both of them has 5 units wide and their length is 2 times their width. Draw the big rectangle, then calculate its perimeter and its area.**

4



....

....

---

8 **Which rectangles have area of 24 square metres? Select three correct answers:**



a) Rectangle A : 2 meters wide and 12 meters long.

b) Rectangle B : 1 meter wide and 5 meters long.

c) Rectangle C : 3 meters wide and 8 meters long.

d) Rectangle D : 4 meters wide and 6 meters long.

e) Rectangle E : 5 meters wide and 6 meters long.



Al-Adwaa Assessment 2



1 A square-shaped mirror, its area is 16 square meters. What is the side length of the mirror? Then calculate its perimeter. Include the value and unit in your response.

....

....

2 A city is in the shape of a rectangle. It is 12 kilometers wide and 28 kilometers long. What is the area of the city?

a) $12 + 28 = 48$ square kilometers

b) $(28 \times 12) + (8 \times 4) = 368$ square kilometers

c) $(2 \times 28) + (2 \times 12) = 80$ square kilometers

d) $28 \times 12 = 336$ square kilometers

3 Which two choices show the formula for the width of a rectangle?

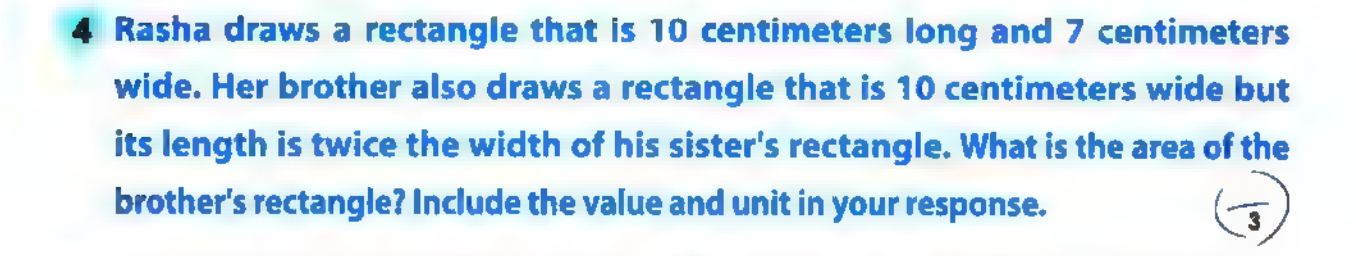


a) $(2 \times \text{length}) \div 2$

b) area ÷ length

c) (perimeter ÷ 2) – length

d) perimeter ÷ width



4 Rasha draws a rectangle that is 10 centimeters long and 7 centimeters wide. Her brother also draws a rectangle that is 10 centimeters wide but its length is twice the width of his sister's rectangle. What is the area of the brother's rectangle? Include the value and unit in your response.

....

5 A rectangular garden, its length is double its width if the length is 10 meters, what is the area of this garden?



....

6 A football playground model of length 80 cm and width 20 cm. What is the perimeter of this model in meters?



....

7 **Nada draws a rectangle that is 2 meters wide and 3 times as long. What is the area of Nada's rectangle?**



a) 10 square meters

b) 30 square meters

c) 21 square meters

d) 12 square meters

---

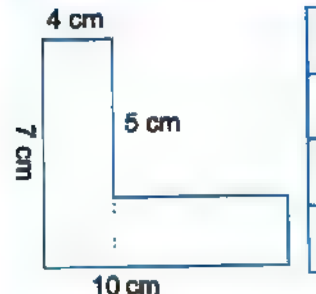
8 **Ammar drew a rectangle that is 18 centimeters wide and its perimeter is 84 centimeters. Find the length of Ammar's rectangle.**

To calculate the length of the rectangle, he should use the equation ....

(84 + 18) – 2
84 × 18
(84 – 18) × 2
(84 ÷ 2) – 18

---

9 **Two rectangles are joined to make the following figure. What is the area of the figure? Choose to explain how to find:**



adding 4 + 5 + 7 + 10
adding 5 + 4 + 5 + 4
multiplying 4 × 7
multiplying 10 × 7

adding 4 + 5 + 7 + 10
adding 10 + 5 + 7 + 4
multiplying 6 × 2
multiplying 5 × 5

40
20
30
18

The area can be found by .... and then .... to find that the area which is .... square centimeters.

---

10 **Soha's rectangular room is 10 meters long and has area of 70 meters square. What is the width of the room?**

a) 7 meters b) 3 meters c) 8 meters d) 4 meters



Al-Adwaa Assessment 1





1 Read, then choose the correct answer:

a) The bar model | 2 | 2 | 2 | 2 | shows that ...... is four times greater than 2 (8 or 4 or 2 or 2,222)

b) 12 is twelve times greater than .... (1 or 2 or 12 or 0)

c) $8 \times 8 = 64$ means that 64 is eight times greater than .... (64 or 7 or 8 or 32)

d) 14 is seven times greater than .... (14 or 7 or 2 or 98)

e) $20 = 5 \times y$ means that 20 is .... times greater than y. (4 or 20 or 5 or 15)



2 Which situation is an example of a multiplication comparison?

a) Ahmed has L.E. 67 and his brother Emad has L.E. 3 more than Ahmed.

b) Kamal has L.E. 6,700 in his account in the bank. He withdrew L.E. 4,000.

c) Samir has 9 birds in a cage and his friend Kareem has double the number of birds that Samir has.

d) Mona walked 3 kilometers a day, then she walked 2 kilometers more.



3 There are five identical apples. The weight of each one is 100 grams. What is the weight of these apples?

a) 150 grams b) 500 Kilograms c) 500 grams d) 105 grams



4 The bar model | 3 | 3 | 3 | 3 | shows that .... is four times greater than 3.

a) 34 b) 3,333 c) 12 d) 3



5 A hotel has 6 floors, each floor has 18 rooms. Which equation of the following represents the total number of rooms in this hotel?

a) $6 + 18 = 24$ b) $6 \times 18 = 108$ c) $18 \div 6 = 3$ d) $18 - 6 = 12$



6 Choose the correct numbers from the following to complete the equation:

(6 , 8 , 36 , 48)



A model is shown



48							
6	6	6	6	6	6	6	6

Which equation is best represented by this model: .... × .... = ...

7 **Consider the equation 18 × 4 = ...**



Noha wants to set up a model for this equation using coins. How should she set up this model?

a) 18 total coins split into 4 same-sized groups.

b) 18 total coins split into 1 group of 4 coins and 1 group of the remaining coins.

c) 1 group of 4 coins and 1 group of 18 coins.

d) 4 groups of 18 coins each.

---

8 **A basket contains 7 white balls. There are blue balls 8 times as many as the white balls. How many balls are there in this basket?**



a) 56 b) 36 c) 63 d) 78

---

9 **Choose the best words or phrases to complete the following statement:**



Order / grouping	Change / doesn't change	Order / grouping	Change / doesn't change

a) The associative property of multiplication states that changing the .... of the numbers being multiplied will .... the value of the product.

b) The commutative property of multiplication states that changing the .... of the numbers being multiplied will .... the value of the product.

---

10 **Use the associative property of multiplication to solve the following problems:**

a) 7 × 4 × 100



b) 5 × 2 × 14

....

c) 7 × 8 × 10

....

d) 4 × 5 × 10

....



Al-Adwaa Assessment 2



1 Choose the best words and numbers to complete the statement:



$8 \times 3 = 24$
$4 \times 6 = 24$
$8 \times 4 = 32$

add
subtract
multiply by
divide by

2
3
16
24

In a town, there are 8 hotels. The number of clothing stores is triple the number of hotels in this town. The equation which represents this situation is .... × .... = ...

To find the number of clothing stores in this town, it's required to 3

There are .... clothing stores in this town.

---

2 Choose the suitable words or numbers to complete the statement:



5 as (5×1)
300 as (3×100)

grouping
order

3
100

Explain how the associative property can be used to find 5×300

First, rewrite .... , then change the .... of the factors so that 5 × .... is in parentheses.

---

3 Amal used the associative property to rewrite the correct evaluation of the expression 8,000 × 6. Which equation was most likely part of Amal's work?



a) $100 \times 14 = 14,000$

b) $1,000 \times 48 = 4,800$

c) $100 \times 14 = 1,400$

d) $1,000 \times 48 = 48,000$

---

4 Which equation shows how to apply the associative property of multiplication to determine the value of $8 \times (6 \times 10)$?



a) $14 \times 10 = 140$

b) $48 \times 10 = 480$

c) $8 \times 60 = 480$

d) $8 \times 16 = 128$





5 **Zeina writes the expression 129 × 0. Which statement is true?**

a) By applying the identity property of multipliation, Zeina can simplify the expression to be equal to 0

b) By applying the zero property multiplication, Zeina can simplify the expression to be equal to 0

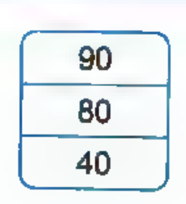
c) By applying the identity property of multiplication, Zeina can simplify the expression to 129

d) By applying the zero property of multiplication, Zeina can simplify the expression to 129

---

6 **Choose the suitable number to complete the following statement:**





10 × 9 = n means n is .... times greater than 10 and the value of n is ....

---

7 **Ahmed has L.E. 4, his brother Mohammed has the double of what Ahmed has, then Mohammed has L.E.** ....



a) 7 b) 8 c) 12 d) 6

---

8 **The bar model** | 5 | 5 | 5 | 5 | **shows that** .... **is four times greater than 5.**



a) 25 b) 9 c) 20 d) 5,555

---

9 **Which equation shows how to apply the associative property of multiplication to find the value of 4 × (6 × 10)?**



a) 10 × 10 b) 24 × 10 c) 4 × 60 d) 4 × 16



10 **Make a circle around each multiplication equation which has an unknown with value 4:**



a) $x \times 5 = 20$ b) y × 2 = 10 c) z × 10 = 30

d) 6 × m = 24 e) 7 × n = 49 f) 10 × L = 100

g) $2 \times 2 = x$ h) 1 × m = 4 i) n × 9 = 18





Al-Adwaa Assessment 1



1 Choose the correct answer:

(2 1/2)

a) The common factor of all numbers is .... (2 or 0 or 1 or 5)

b) The multiples of the even numbers can be divided by .... (5 or 2 or 6 or 3)

c) The G.C.F. of 12 and 16 is .... (1 or 2 or 4 or 12)

d) The common multiple of all numbers is .... (0 or 1 or 2 or 3)

e) The common factor of 2 and 6 is .... (3 or 2 or 8 or 6)

2 Put (✓) or (✗):

(2 1/2)

a) The G.C.F. of 16 and 24 is 4. ( )

b) One pair of the factors of 32 is (4 , 8). ( )

c) The third multiple of 7 is 14. ( )

d) The multiple of any number can be divided by 2. ( )

e) The prime number in the numbers (1, 11 and 14) is 1. ( )

3 Complete each of the following:

(5)

a) The G.C.F. between 36 and 45 is ....

b) The common factors between 48 and 54 are ....

c) 28 is a multiple of 4 because ....

d) The prime number has .... factor(s).

e) The first common multiple of 9 and 8 except zero is ....

4 Which statements are correct about prime or composite numbers?

(2)

a) 1 is a prime number because it has exactly one factor. ( )

b) 3 is a composite number because it has exactly two factors. ( )

c) 9 is a composite number because it has more than two factors. ( )

d) 17 is a prime number because it has exactly two factors. ( )



5 **Which statements are true about the multiple of a whole number?**




a) 12 is a multiple of 4 because 4 is a factor of 12. ( )

b) 18 is a multiple of 2 because (2 , 9) is a pair of factors of 18. ( )

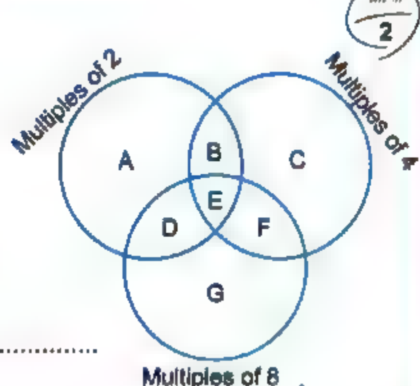
c) 15 is a multiple of 5 because (5 , 10) is a pair of factors of 15. ( )

d) 7 is a multiple of 7 because (0 , 7) is a pair of factors of 7. ( )

---

6 **The diagram shows the relationship between multiples of 2, the multiples of 4 and the multiples of 8**

Complete:



a) 20 would be placed in the section labeled with the letter .... because it is a multiple of ....

b) 16 would be placed in section labeled with letter .... because it is a multiple of ....

---

7 **Choose the best words or numbers to complete the statement:**



correct
incorrect

1 , 2 , 3 , 6
1 , 2 , 3 , 4 , 6 , 12
1 , 2 , 4 , 7 , 14 , 28

1 , 2 , 3 , 6
1 , 2 , 3 , 4 , 6 , 12
1 , 2 , 4 , 7 , 14 , 28

2
3
4



The greatest common factor of 12 and 28 is 12.

It is .... because the factors of 12 are .... and the factors of 28 are ....

Then the greatest common factor of 12 and 28 is ....

---

8 **Write all the prime numbers less than 30**



....

---

9 **Write all the multiples of 3 which are less than 50**



....

---

10 **Write all the common factors between 18 and 36 then deduce the greatest one.**



....



Al-Adwaa Assessment 2



1 Choose the correct answer:



a) One of the common multiples of 3, 6 and 9 is .... (9 or 12 or 18 or 21)

b) 36 is a multiple of 6 because ....

(6 is factor of 36 or the multiples of 6 are 15 and 20 or 36 is a multiple of 24 and 24 is a multiple of 6 or 6 is a factor of 42)

c) The prime number between these numbers is .... (12 or 1 or 21 or 31)

d) The factors of 42 are ....

(1 , 21 , 42 or 21 , 2, 42 , 6 or 1 , 2 , 3 , 21 , 42 , 6 , 7 or 1 , 2 , 3 , 14 , 21 , 42 , 6 , 7)

2 Find the G.C.F. of 36 and 48.



....

3 Find three common multiples of 3 and 7.



....

4 Which phrase defines common factors between two numbers, such as 54 and 60?

a) The factors of each number, 54 and 60, listed with the greatest factor found on both lists circled.

b) The factors of each number, 54 and 60, listed with the same factors found on both lists circled.

c) The factors of each number, 54 and 60, listed with the smallest factor found on both lists circled.

d) The factors of each number, 54 and 60, listed with the different factors found on both lists circled.

5 Which of these statements is true?



a) 5 is a factor of 45, but is not a factor of 36.

b) 7 is a factor of 42, but is not a factor of 21.

c) 8 is a factor of 62, but is not a factor of 64.

d) 9 is a factor of 63, but is not a factor of 80.



6 **Complete each of the following:** (5)

a) 4 is a common multiple of the two numbers .... , ...

b) 6 is the greatest common factor of the two numbers .... , ...

c) The multiples of 9 can be divided by ....

d) The common multiple of all numbers is ....

e) The common factors of 9 and 27 are .... , ... , ...

---

7 **Choose the best numbers or words to complete the statement about the factors of 18** (3)

(1 , 18)
1 , 2 , 3 , 6 , 9 , 18
18 , 54 , 36

composite
prime

exactly two factors
more than two factors

The factors of 18 are .... the factors show that 18 is a .... because it has ....

---

8 **List three common multiples between 2 and 3**



---

9 **Is 15 a multiple of 3? (Select the correct answer.)**



a) Yes, because 3 and 5 are factors of 15

b) No, because 1 and 3 are factors of 3

c) No, because 3 and 45 are multiples of 15

d) Yes, because 5 and 3 are multiples of 15

---

10 **Hazem said that 12 is a factor of 36. Is he correct?**



a) No, because 36 is not a factor of 12.

b) Yes, because 12 is not a multiple of 36.

c) No, because 12 and 36 are evenly divisible by 2.

d) Yes, because if 12 is multiplied by 3 it gives 36.



Question 01 — choose the correct answer

1. Area of a square is ....
   - (a) 4 x s
   - (b) s x s
   - (c) L x W
   - (d) (L + W) x 2

2. 10 is divisible by ....
   - (a) 10
   - (b) 2
   - (c) 5
   - (d) all of them

3. The perimeter of a rectangle is .... whose length is d and width is h .
   - (a) L x W
   - (b) 2 x (d + h)
   - (c) 2 x (5 x 3)
   - (d) d x h

4. ....is a factor of all composite numbers .
   - (a) 2
   - (b) 3
   - (c) 1
   - (d) 0

5. The side length of a square is ....
   - (a) A ÷ p
   - (b) A ÷ 4
   - (c) P ÷ 4
   - (d) 4 x s

6. ....is not a prime number .
   - (a) 2
   - (b) 11
   - (c) 23
   - (d) 32

7. Area of a square = side length x ....
   - (a) 4
   - (b) itself
   - (c) area
   - (d) perimeter

8. 5 is .... number
   - (a) prime
   - (b) composite
   - (c) odd
   - (d) Both a,c

9. 16 has ....factors
   - (a) 6
   - (b) 5
   - (c) 8
   - (d) 16

10. 850 x m = 850 , then m = ...
    - (a) 1
    - (b) 850
    - (c) 2
    - (d) 0

11. 1 and ....are the factors of 13
    - (a) 13
    - (b) 0
    - (c) 2
    - (d) 3

12. 60 x ....= 6000
    - (a) 10
    - (b) 1
    - (c) 100
    - (d) 600

13. 3 is a factor of ....
    - (a) 9
    - (b) 19
    - (c) 13
    - (d) 28

14. (200 x 30) x 0 = ...
   - a) associative
   - b) 6000
   - c) 1
   - d) 0

15. .... x 500 = 0 , is using .... Property
   - a) 0 , zero
   - b) 0 , identity
   - c) 500 , zero
   - d) 1 , identity

16. The multiplicative identity element is ....
   - a) 0
   - b) 1
   - c) 10
   - d) 11

17. e x 6 = 24 , then e = ...
   - a) 6
   - b) 4
   - c) 16
   - d) 24

18. The common factor of all numbers is ....
   - a) 0
   - b) 1
   - c) 2
   - d) 3

19. 16 is 4 times the number ....
   - a) 16
   - b) 4
   - c) 3
   - d) 2

20. ....is a prime number.
   - a) 8
   - b) 9
   - c) 15
   - d) 7

21. ....is the measurement of the distance around the shape .
   - a) perimeter
   - b) area
   - c) square
   - d) s x s

22. All factors of 18 are ....
   - a) 1,2,3,6,9,18
   - b) 1 , 18
   - c) 1,2,3,4,6,9,18
   - d) 6

23. 5 x 2 x 10 = 5 x ....
   - a) 28
   - b) 24
   - c) 20
   - d) 16

24. Area of a rectangle is ....
   - a) 4 x s
   - b) s x s
   - c) L x W
   - d) (L + W) x 2

25. ....is a factor of all odd numbers .
   - a) 2
   - b) 3
   - c) 1
   - d) 0

26. ....is a factor of 60
   - a) 10
   - b) 6
   - c) 2
   - d) all of them

27. The greatest common factor of 12 and 6 is ....
   - a) 2
   - b) 3
   - c) 6
   - d) 12

28. 1 x .... = 654 , is using ....property .
   - a) 654 , identity
   - b) 0 , identity
   - c) 1 , commutative
   - d) 1

29. .... Is a multiple of 3
   - a) 14
   - b) 15
   - c) 13
   - d) 23



30. The properties of multiplication are ....
   - (a) commutative
   - (b) associative
   - (c) identity
   - (d) all of them
31. In a rectangle the half of perimeter is equal ....
   - (a) half area
   - (b) (L + W) x 2
   - (c) L + W
   - (d) 1
32. Perimeter of a rectangle is ....
   - (a) L x W
   - (b) 2L x 2W
   - (c) L + W + L + W
   - (d) (L + W)
33. All different prime numbers has only .... common factor .
   - (a) 0
   - (b) 1
   - (c) 2
   - (d) 3
34. 1 and 5 are the common factors of ....
   - (a) 1 and 5
   - (b) 5 and 15
   - (c) 3 and 1
   - (d) 2 and 15
35. .... is the common factor of 7 and 11
   - (a) 1
   - (b) 7
   - (c) 11
   - (d) 77
36. .... Is not a composite number
   - (a) 20
   - (b) 1
   - (c) 42
   - (d) 36
37. all prime numbers are odd except ....
   - (a) 0
   - (b) 1
   - (c) 3
   - (d) 2
38. 24 has .... Factors
   - (a) 8
   - (b) 6
   - (c) 3
   - (d) 24
39. the number 19 has .... Factors
   - (a) 3
   - (b) 1
   - (c) 2
   - (d) 0
40. 60 x (40 x 30) = (...... x 30) x 40
   - (a) 60
   - (b) 40
   - (c) 1200
   - (d) 180
41. 63 x 45 = 45 x ....
   - (a) 63
   - (b) 45
   - (c) 25
   - (d) 36
42. 8 = 8 x ....
   - (a) 1
   - (b) 0
   - (c) 8
   - (d) 64
43. The length of a rectangle is ....
   - (a) A ÷ w
   - (b) A x w
   - (c) s x s
   - (d) w ÷ A
44. Perimeter of a square is ....
   - (a) (s + s) x 2
   - (b) s + s + s
   - (c) 4 + s
   - (d) (L + W) x 2



45. Abeer rides her bike 5 km daily , then she covered .... in 6 days
   - a) 300 km
   - b) 30,000 m
   - c) 30 m
   - d) 5000 m

46. 4000 x 4 hundreds = ...
   - a) 16,000
   - b) 400,000
   - c) 1,600 thousands
   - d) 400 thousands

47. 23 x b = 23 x 6 , then b = ...
   - a) 23
   - b) 0
   - c) 6
   - d) 1

48. The multiplication equation of 3 + 3 + 3 + 3 + 3 = 15 is ....
   - a) 3 x 5
   - b) 15 x 6 = 3
   - c) 3 x 5 = 15
   - d) 3 x 3

49. The width of a rectangle is ....cm. whose area is 32 square cm and length is 8 cm .
   - a) 4
   - b) 8
   - c) 8 x 32
   - d) 5

50. ....is a factor of all even numbers .
   - a) 1
   - b) 2
   - c) 3
   - d) Both a,b

51. ....is a factor of all numbers .
   - a) 1
   - b) 2
   - c) 3
   - d) Both a,c

52. 6 times as the number 4 = ...
   - a) 6
   - b) 4
   - c) 10
   - d) 24

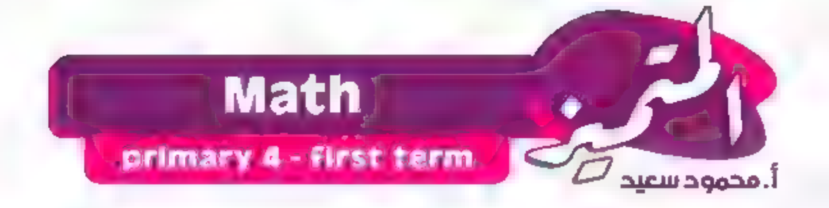
53. 423 x .... = 423,000
   - a) 10
   - b) 100
   - c) 1000
   - d) All of them

54. 6 x 4 x 2 = 6 x ....
   - a) 4
   - b) 2
   - c) 24
   - d) 8

55. ....is not a multiple of 10 .
   - a) 5
   - b) 250
   - c) 0
   - d) 150

56. ....is not a factor of 10 .
   - a) 1
   - b) 5
   - c) 10
   - d) 20

57. A number that has only 2 factors and their sum is 12 is ....
   - a) 11
   - b) 12
   - c) 2
   - d) 13

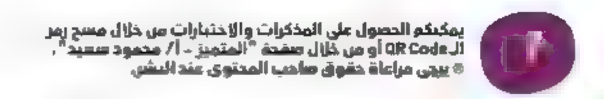


Question 02 Complete

1. The perimeter of a rectangle whose length is 5 cm and width is 3 cm is ....cm .
2. ....is the product of two numbers .
3. The area of a rectangle with dimensions 5 cm and 7 cm is ....
4. 1, 2, 4, 7, 14 are all factors of ....
5. The length of a rectangle is ....m. whose perimeter is 12 m and width is 2 m .
6. ....is not prime number nor composite number .
7. The area of a square with side length 6 cm equals the area of a rectangle with 9 cm long and ....cm wide .
8. The smallest odd prime number is ....
9. The multiplication equation of 5 + 5 + 5 + 5 + 5 = 25 is ....
10. 4000 = ... hundreds
11. ....x 6 = 18,000
12. .... is three times ten .
13. 63 x .... = 0
14. The perimeter of a square is .... m , whose area is 1 square meter .
15. 100 = ...x 1
16. The side length of a square whose perimeter is 24 m is ....m
17. 500 x 20 = ...thousands
18. (length + width) x 2 is the ....of a rectangle .
19. ....is the only even prime number .
20. 6 + 6 + 6 + 6 + 6 = ...x........................
21. Prime numbers has only .... Factors , ... and ....
22. 36 has .... factor pairs .
23. The prime number has .... factor pair .
24. The multiple of all numbers is ....
25. .... , ... , ... and ....are multiples of 6 .
26. The smallest prime number is ....
27. The additive identity is ....
28. 18 x 10 = 10 x .... , is using ....property

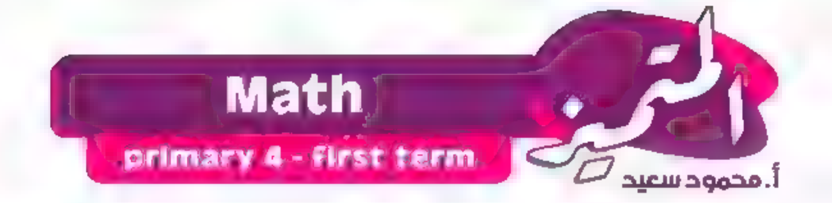


29. 30,000 = 60 x ....
30. 100 times greater than the number 180 is ....
31. 6 + 6 + 6 + 6 + 6 + 6 + 6 = ... x 6
32. The side length of a square of area 100 square cm . Is .... Cm
33. The side length of a square whose area is 25 square meter is .... cm
34. ....is the measurement of the space inside the shape .
35. Side length x itself is the ....of a square
36. the area of a rectangle whose length is 6 cm and width is 5 cm is ....cm^2
37. The elapsed time from 11 : 40 AM to 3 : 40 PM is ....
38. .... x 400 = 400 , is using .... Property
39. .... and .... is a factor of all even numbers .
40. Any number is a factor and multiple of ....
41. 1 has .... Factors
42. 50 x ....= ....x 1
43. 14 x .... = 1400
44. m = 6 x 100 , then the value of m is ....
45. The smallest 2-different digit prime number is ....
46. The smallest prime even number is ....
47. The smallest 2-digit prime number is ....
48. 5 x (3 x 6) = (5 x ....) x 6
49. 5 x (3 + 6) = (5 x ......) + (5 x ....)
50. If m x 5 = 500 , then m = ...
51. The number 18 equals 3 times the number ....
52. All factors of 24 is ....
53. The GCF of 3 and 2 are ....
54. The number 11 has ....factors
55. The prime numbers between 20 and 30 are ....
56. A number that has only 2 factors and their sum is 6 is ....



Question 03 — Compare using (< or > or =)

No.			
1	500 hour	....	500 min
2	number of factors of a composite number	....	number of factors of a prime number
3	1 week	....	6 days
4	1600 x 10	....	16 thousands
5	2 and half hours	....	2 H + 30 min
6	10 hundreds	....	20 tens
7	10 x 500	....	1000 x 5
8	1 x 1	....	0 x 500
9	10 x 400	....	1000 + 200
10	number of days of the week	....	10
11	0 x 5 x 400	....	5 x 4 x 3
12	1000 ml	....	100 Liters
13	6 thousands	....	6000
14	7 m	....	750 cm
15	6 x 4 x 1000	....	6000 x 4
16	3000 m	....	3 km
17	number of factors of 4	....	number of factors of 9
18	23 x 140	....	140 x 23
19	240	....	6 x 400
20	7000 gram	....	18 kg
21	the multiple of all numbers	....	the factor of all numbers



Question 04 — Answer the following

1. Find the common factors and the greatest common factor (GCF) of 12 and 24 .

....

2. Omar bought 5 mobiles , if the price of each one is 2,000 LE . What is the total price of them ?

....

3. Find the multiples of each of the numbers 4 and 6 up to 30 , then find the common multiples between them .

....

4. Asmaa has 7 mangoes and Merna has 28 . How many times of mangoes does Merna have ? Write the equation .

....

5. Salma is building a rectangular garden with 24 m of fencing . What is the area of the garden if its length is 7 m ?

....

6. Hagar is building a square frame . The side length will be 12 cm . Find the perimeter and the area of the frame .

....

7. Ahmed is twice as old as Yousef . Yousef is 9 years old . How old are Ahmed ? Write the equation .

....

8. Solve by using the properties of multiplication .
   2 x 6 x 5 x 5

....

9. Yazeed bought 5 packs of juice cans . Each pack had 2 rows each row had 6 cans . How many cans did Yazeed bought ?

....



(10) Walaa ate 2 apples and Habiba ate 5 times as many . How many apples did Habiba eat ?

....

(11) A rectangle picture of dimensions 8 cm and 6 cm . Mazen wants to cut a piece of glass to cover this picture , what is the area and perimeter of the glass piece ?

....

(12) Mr Mahmoud Elkholy bought 2 packs of red pens . Each pack had 5 rows of 3 red pens . How many pens did Mr Mahmoud bought ?

....

(13) Find the perimeter and the area of the opposite figure .

6 m
2 m

....

(14) Find the Area and Perimeter .

....

4 M
4 M
4 M
2 M
12 M

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق

Answers





Question 01 choose the correct answer

1. Area of a square is ....
   - (a) 4 x s
   - (b) s x s
   - (c) L x W
   - (d) (L + W) x 2
2. 10 is divisible by ....
   - (a) 10
   - (b) 2
   - (c) 5
   - (d) all of them
3. The perimeter of a rectangle is .... whose length is d and width is h .
   - (a) L x W
   - (b) 2 x (d + h)
   - (c) 2 x (5 x 3)
   - (d) d x h
4. ....is a factor of all composite numbers .
   - (a) 2
   - (b) 3
   - (c) 1
   - (d) 0
5. The side length of a square is ....
   - (a) A ÷ p
   - (b) A ÷ 4
   - (c) P ÷ 4
   - (d) 4 x s
6. ....is not a prime number .
   - (a) 2
   - (b) 11
   - (c) 23
   - (d) 32
7. Area of a square = side length x ....
   - (a) 4
   - (b) itself
   - (c) area
   - (d) perimeter
8. 5 is .... number
   - (a) prime
   - (b) composite
   - (c) odd
   - (d) Both a,c
9. 16 has ....factors
   - (a) 6
   - (b) 5
   - (c) 8
   - (d) 16
10. 850 x m = 850 , then m = ...
    - (a) 1
    - (b) 850
    - (c) 2
    - (d) 0
11. 1 and ....are the factors of 13
    - (a) 13
    - (b) 0
    - (c) 2
    - (d) 3
12. 60 x ....= 6000
    - (a) 10
    - (b) 1
    - (c) 100
    - (d) 600
13. 3 is a factor of ....
    - (a) 9
    - (b) 19
    - (c) 13
    - (d) 28





14. (200 x 30) x 0 = ...
   a. associative b. 6000 c. 1 d. <u>0</u>
15. .... x 500 = 0 , is using .... Property
   a. <u>0 , zero</u> b. 0 , identity c. 500 , zero d. 1 , identity
16. The multiplicative identity element is ....
   a. 0 b. <u>1</u> c. 10 d. 11
17. e x 6 = 24 , then e = ...
   a. 6 b. <u>4</u> c. 16 d. 24
18. The common factor of all numbers is ....
   a. 0 b. <u>1</u> c. 2 d. 3
19. 16 is 4 times the number ....
   a. 16 b. <u>4</u> c. 3 d. 2
20. ....is a prime number.
   a. 8 b. 9 c. 15 d. <u>7</u>
21. ....is the measurement of the distance around the shape .
   a. <u>perimeter</u> b. area c. square d. s x s
22. All factors of 18 are ....
   a. <u>1,2,3,6,9,18</u> b. 1 , 18 c. 1,2,3,4,6,9,18 d. 6
23. 5 x 2 x 10 = 5 x ....
   a. 28 b. 24 c. <u>20</u> d. 16
24. Area of a rectangle is ....
   a. 4 x s b. s x s c. <u>L x W</u> d. (L + W) x 2
25. ....is a factor of all odd numbers .
   a. 2 b. 3 c. <u>1</u> d. 0
26. ....is a factor of 60
   a. 10 b. 6 c. 2 d. <u>all of them</u>
27. The greatest common factor of 12 and 6 is ....
   a. 2 b. 3 c. <u>6</u> d. 12
28. 1 x .... = 654 , is using ....property .
   a. <u>654 , identity</u> b. 0 , identity c. 1 , commutative d. 1
29. .... Is a multiple of 3
   a. 14 b. <u>15</u> c. 13 d. 23

30. The properties of multiplication are ....

    (a) commutative (b) associative (c) identity (d) all of them

31. In a rectangle the half of perimeter is equal ....

    (a) half area (b) (L + W) x 2 (c) L + W (d) 1

32. Perimeter of a rectangle is ....

    (a) L x W (b) 2L x 2W (c) L + W + L + W (d) (L + W)

33. All different prime numbers has only .... common factor .

    (a) 0 (b) 1 (c) 2 (d) 3

34. 1 and 5 are the common factors of ....

    (a) 1 and 5 (b) 5 and 15 (c) 3 and 1 (d) 2 and 15

35. .... is the common factor of 7 and 11

    (a) 1 (b) 7 (c) 11 (d) 77

36. .... Is not a composite number

    (a) 20 (b) 1 (c) 42 (d) 36

37. all prime numbers are odd except ....

    (a) 0 (b) 1 (c) 3 (d) 2

38. 24 has .... Factors

    (a) 8 (b) 6 (c) 3 (d) 24

39. the number 19 has .... Factors

    (a) 3 (b) 1 (c) 2 (d) 0

40. 60 x (40 x 30) = (...... x 30) x 40

    (a) 60 (b) 40 (c) 1200 (d) 180

41. 63 x 45 = 45 x ....

    (a) 63 (b) 45 (c) 25 (d) 36

42. 8 = 8 x ....

    (a) 1 (b) 0 (c) 8 (d) 64

43. The length of a rectangle is ....

    (a) A ÷ w (b) A x w (c) s x s (d) w ÷ A

44. Perimeter of a square is ....

    (a) (s + s) x 2 (b) s + s + s (c) 4 + s (d) (L + W) x 2




45. Abeer rides her bike 5 km daily , then she covered .... in 6 days
   - a) 300 km
   - b) 30,000 m
   - c) 30 m
   - d) 5000 m

46. 4,000 x 4 hundreds = ...
   - a) 16,000
   - b) 400,000
   - c) 1,600 thousands
   - d) 400 thousands

47. 23 x b = 23 x 6 , then b = ...
   - a) 23
   - b) 0
   - c) 6
   - d) 1

48. The multiplication equation of 3 + 3 + 3 + 3 + 3 = 15 is ....
   - a) 3 x 5
   - b) 15 x 6 = 3
   - c) 3 x 5 = 15
   - d) 3 x 3

49. The width of a rectangle is ....cm. whose area is 32 square cm and length is 8 cm .
   - a) 4
   - b) 8
   - c) 8 x 32
   - d) 5

50. ....is a factor of all even numbers .
   - a) 1
   - b) 2
   - c) 3
   - d) Both a,b

51. ....is a factor of all numbers .
   - a) 1
   - b) 2
   - c) 3
   - d) Both a,c

52. 6 times as the number 4 = ...
   - a) 6
   - b) 4
   - c) 10
   - d) 24

53. 423 x .... = 423,000
   - a) 10
   - b) 100
   - c) 1000
   - d) All of them

54. 6 x 4 x 2 = 6 x ....
   - a) 4
   - b) 2
   - c) 24
   - d) 8

55. ....is not a multiple of 10 .
   - a) 5
   - b) 250
   - c) 0
   - d) 150

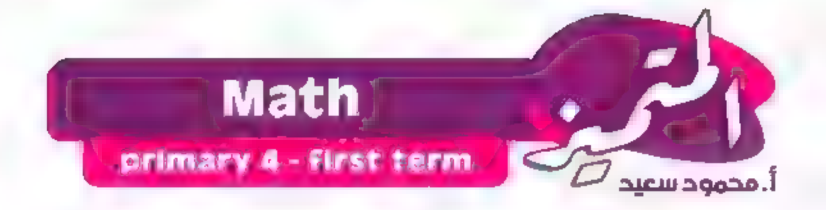
56. ....is not a factor of 10 .
   - a) 1
   - b) 5
   - c) 10
   - d) 20

57. A number that has only 2 factors and their sum is 12 is ....
   - a) 11
   - b) 12
   - c) 2
   - d) 13



Question 02 Complete

1. The perimeter of a rectangle whose length is 5 cm and width is 3 cm is ......16......cm .
2. ......a multiple ....is the product of two numbers .
3. The area of a rectangle with dimensions 5 cm and 7 cm is ......35 cm^2.......
4. 1, 2, 4, 7, 14 are all factors of ....14.........
5. The length of a rectangle is ......4.......m. whose perimeter is 12 m and width is 2 m .
6. ....1.......is not prime number nor composite number .
7. The area of a square with side length 6 cm equals the area of a rectangle with 9 cm long and ......4.....cm wide .
8. The smallest odd prime number is ......3........
9. The multiplication equation of 5 + 5 + 5 + 5 + 5 = 25 is ......5 x 5 = 25........
10. 4000 = ...40...... hundreds
11. ......3000......x 6 = 18,000
12. ......30...... is three times ten .
13. 63 x ......0.... = 0
14. The perimeter of a square is ......4.......m , whose area is 1 square meter .
15. 100 = ...100....x 1
16. The side length of a square whose perimeter is 24 m is ......6......m
17. 500 x 20 = ...1........thousands
18. (length + width) x 2 is the ......perimeter.......of a rectangle .
19. ......2.....is the only even prime number .
20. 6 + 6 + 6 + 6 + 6 = ...6......x......5.......
21. Prime numbers has only ...2....... Factors , ...1...... and ......itself......
22. 36 has ......5...... factor pairs .
23. The prime number has ......1...... factor pair .
24. The multiple of all numbers is ....0.......
25. ......0.... , ...6..... , ...12....... and ......18.....are multiples of 6 .
26. The smallest prime number is ......2......
27. The additive identity is ......0.......
28. 18 x 10 = 10 x ...18...... , is using ......commutative.........property



29. 30000 = 60 x ......500.....
30. 100 times greater than the number 180 is ......18000........
31. 6 + 6 + 6 + 6 + 6 + 6 + 6 = ...7..... x 6
32. The side length of a square of area 100 square cm . Is ......10.......... Cm
33. The side length of a square whose area is 25 square meter is ......5...... cm
34. ....area........is the measurement of the space inside the shape .
35. Side length x itself is the ......area.........of a square
36. the area of a rectangle whose length is 6 cm and width is 5 cm is ......30...... cm^2
37. The elapsed time from 11 : 40 AM to 3 : 40 PM is ......4 hours.......
38. ...1..... x 400 = 400 , is using ......identity........ Property
39. ....1 and 2...... is a factor of all even numbers .
40. Any number is a factor and multiple of ......itself ......
41. 1 has ......1..... Factors
42. 50 x ...1.....= ......50...x 1
43. 14 x ......100....... = 1400
44. m = 6 x 100 , then the value of m is ......600........
45. The smallest 2-different digit prime number is ......13......
46. The smallest prime even number is ......2......
47. The smallest 2-digit prime number is ......11......
48. 5 x (3 x 6) = (5 x ...3.......) x 6
49. 5 x (3 + 6) = (5 x ...3...) + (5 x ...6...)
50. If m x 5 = 500 , then m = ...100.......
51. The number 18 equals 3 times the number ......6.......
52. All factors of 24 is ...1,2,3,4,6,8,12,24............
53. The GCF of 3 and 2 are ......6..........
54. The number 11 has ......2.......factors
55. The prime numbers between 20 and 30 are ...23,29..........
56. A number that has only 2 factors and their sum is 6 is ......5..........

Question 03 — Compare using (< or > or =)

#			
1	500 hour	>	500 min
2	number of factors of a composite number	>	number of factors of a prime number
3	1 week	>	6 days
4	1600 x 10	=	16 thousands
5	2 and half hours	=	2 H + 30 min
6	10 hundreds	>	20 tens
7	10 x 500	=	1000 x 5
8	1 x 1	>	0 x 500
9	10 x 400	>	1000 + 200
10	number of days of the week	<	10
11	0 x 5 x 400	<	5 x 4 x 3
12	1000 ml	<	100 Liters
13	6 thousands	=	6000
14	7 m	<	750 cm
15	6 x 4 x 1000	=	6000 x 4
16	3000 m	=	3 km
17	number of factors of 4	=	number of factors of 9
18	23 x 140	=	140 x 23
19	240	<	6 x 400
20	7000 gram	<	18 kg
21	the multiple of all numbers	<	the factor of all numbers

Question 04 Answer the following

1. Find the common factors and the greatest common factor (GCF) of 12 and 24 .

common are 1,2,3,4,6,12
GCF is 12

2. Omar bought 5 mobiles , if the price of each one is 2,000 LE . What is the total price of them ?

5 x 2,000 = 10,000 LE

3. Find the multiples of each of the numbers 4 and 6 up to 30 , then find the common multiples between them .

Multiples of 4 are 0,4,8,12,16,20,24,28
Multiples of 6 are 0,6,12,18,24,30
The common multiples are 0,12,24

4. Asmaa has 7 mangoes and Merna has 28 . How many times of mangoes does Merna have ? Write the equation .

Equation is $7 \times s = 28$
$s = 4$ times

5. Salma is building a rectangular garden with 24 m of fencing . What is the area of the garden if its length is 7 m ?

$w = (24 \div 2) - 7 = 5$ m
$A = L \times W = 7 \times 5 = 35 \text{ m}^2$

6. Hagar is building a square frame . The side length will be 12 cm . Find the perimeter and the area of the frame .

$P = 4 \times s = 4 \times 12 = 48$ cm
$A = s \times s = 12 \times 12 = 144 \text{ cm}^2$

7. Ahmed is twice as old as Yousef . Yousef is 9 years old . How old are Ahmed ? Write the equation .

Equation is $2 \times 9 = s$
$s = 18$ years old

8. Solve by using the properties of multiplication .
2 x 6 x 5 x 5

2 x 5 x 6 x 5 commutative
= (2 x 5) x (6 x 5) associative
= 10 x 30 = 300

9. Yazeed bought 5 packs of juice cans . Each pack had 2 rows each row had 6 cans . How many cans did Yazeed bought ?

$5 \times 2 \times 6 = (5 \times 2) \times 6 = 10 \times 6 = 60$ cans

10. Walaa ate 2 apples and Habiba ate 5 times as many . How many apples did Habiba eat ?

$2 \times 5 = 10$ apples .

11. A rectangle picture of dimensions 8 cm and 6 cm . Mazen wants to cut a piece of glass to cover this picture , what is the area and perimeter of the glass piece ?

$A = L \times W = 8 \times 6 = 48\ cm^2$

$P = 2 \times (L + W) = 2 \times (8 + 6) = 2 \times 14 = 28$ cm .

12. Mr Mahmoud Elkholy bought 2 packs of red pens . Each pack had 5 rows of 3 red pens . How many pens did Mr Mahmoud bought ?

$2 \times 5 \times 3 = 30$ pens

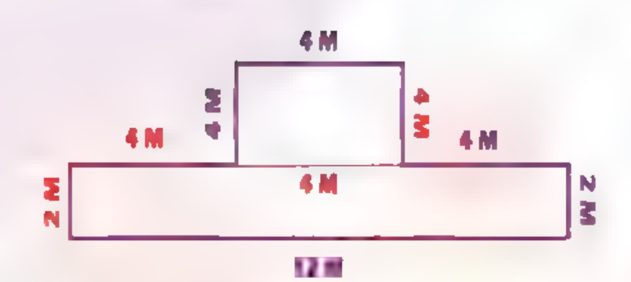
13. Find the perimeter and the area of the opposite figure .



$P = (L + W) \times 2 = (6 + 2) \times 2 = 16$ m

$A = L \times W = 6 \times 2 = 12\ m^2$

14. Find the Area and Perimeter .



$P = 2+2+4+4+4+4+4+12 = 36$ M

$A_1 = L \times W = 2 \times 12 = 24\ M^2$

$A_2 = S \times S = 4 \times 4 = 16\ M^2$

$A_{(total)} = 24 + 16 = 40\ M^2$

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق



Unit 4

Choose the correct answer

1. Area of rectangle = ________ × width

   A. length B. width C. itself D. 4

2. A rectangle its length is L and its width is W , then its perimeter is ________

   A. $(2 \times L) + W$ B. $2 \times (L + W)$ C. $L \times W$ D. $L + W$

3. The area of the rectangle = ________

   A. $L + W$ B. $2 \times L + 2 \times W$ C. $(L \times W) \times 2$ D. $L \times W$

4. The perimeter of the square = side length × ________

   A. itself B. 4 C. width D. length

5. The area of the square = side length × ________

   A. 5 B. 3 C. itself D. 2

6. Perimeter of square = ________

   A. $s \times s$ B. $l + w$ C. $l \times w$ D. $s \times 4$

7. The area of the square of side length S = ________

   A. $S \times 4$ B. $S + 4$ C. $S \times 3$ D. $S \times S$

8. The side length of the square = The perimeter ÷ ________

   A. itself B. 4 C. width D. length

9. Width of a rectangle = ________

   A. Area ÷ length B. Area ÷ width C. Length × width

10. The length of a rectangle = ________

    A. Area ÷ length B. Area ÷ width C. Length × width



Unit 4

Choose the correct answer

11 The perimeter of the rectangle of 8 cm long and 2 cm wide equals ______

A. 20 cm B. 20 cm^2 C. 16 cm D. 16 cm^2

12 The area of a rectangle whose length is 7 cm and its width is 5 cm equals ______

A. 12 B. 24 C. 35 D. 30

13 The perimeter of a square of side length 10 m is ______ m

A. 30 B. 100 C. 20 D. 40

14 Area of a square of side length 5 cm = ______ cm^2

A. 20 B. 25 C. 15 D. 30

15 A rectangle whose length is 8 cm and its width is 5 cm , then its perimeter = ______ cm

A. 13 B. 40 C. 25 D. 26

16 A rectangle its length = 8 cm , its width = 4 cm , then its area = ______ cm^2

A. 32 B. 12 C. 24 D. 64

17 Perimeter of a square of side length 7 cm = ______ cm

A. 42 B. 28 C. 27 D. 14

18 The area of the square whose side length is 6 cm = ______ cm^2

A. 11 B. 30 C. 24 D. 36

19 The perimeter of a rectangle with 15 cm long and 10 cm wide equals ______ cm

A. 150 B. 50 C. 40 D. 35

20 Area of the rectangle with 7 cm long and 3 cm wide equals ______ cm^2

A. 20 B. 21 C. 24 D. 35



Unit 4

Choose the correct answer

21. The perimeter of the square whose side length is 6 cm is ________ cm
    A. 8 B. 12 C. 36 D. 24

22. A square of side length 4 cm , then its area = ________ cm^2
    A. 16 B. 6 C. 18 D. 12

23. A rectangle of length 5 cm and width 3 cm , then its perimeter = ________ cm
    A. 15 B. 8 C. 16 D. 20

24. Area of rectangle with length 9 cm and width 6 cm = ________ cm^2
    A. 3 B. 30 C. 15 D. 54

25. A square of side length 8 cm , then its perimeter = ________ cm
    A. 16 B. 24 C. 32 D. 40

26. A square of side length 7 cm , then its area = ________
    A. 28 cm B. 28 cm^2 C. 49 cm D. 49 cm^2

27. The perimeter of the rectangle with 8 cm long and 4 cm wide equals ________ cm.
    A. 36 B. 24 C. 18 D. 32

28. A rectangle of length 20 cm and width 10 cm , then its area = ________ cm^2
    A. $2 \times 20 + 2 \times 10$ B. $20 + 10$ C. 60 D. 200

29. The perimeter of the square whose side length is 5 cm is ________ cm
    A. 10 B. 15 C. 20 D. 25

30. The width of a rectangular room is 4 m and its length is 6 m , its area = ________
    A. 24 m^2 B. 60 m^2 C. 10 m^2 D. 30 m^2



Unit 4

Choose the correct answer

31 The perimeter of the rectangle of 7 cm length and 3 cm width = ________

A. 10 cm B. $10\ cm^2$ C. 20 cm D. $20\ cm^2$

32 A rectangle its length is 10 m and its width is 7 m, then its area = ________ m^2

A. 17 B. 34 C. 70 D. 140

33 The perimeter of a square is 40 cm, then its side length = ________ cm

A. 4 B. 1,600 C. 160 D. 10

34 A square whose area is $25\ m^2$, then its side length = ________ m

A. 4 B. 5 C. 6 D. 7

35 The perimeter of a square is 12 cm, then its side length is ________ cm

A. 3 B. 4 C. 6 D. 24

36 A rectangle with an area $30\ cm^2$, if its length is 6 cm, then its width equals ____

A. 6 cm B. 5 cm C. 11 cm D. 30 cm

37 The side length of the square whose perimeter is 28 cm is ________ cm

A. 7 B. 14 C. 5 D. 4

38 The side length of a square of perimeter 20 cm ☐ the side length of a square of area $49\ cm^2$

A. < B. = C. >

39 Nahed wants to put a ribbon border around a blanket she is making. The width of the blanket is 3 meters. The perimeter of the blanket is 14 meters. How long are each of the long sides of the blanket?

A. 17 meters B. 11 meters C. 8 meters D. 4 meters

Unit 4

Choose the correct answer

40 In the opposite figure : The value of × is

A. 80 B. 2

C. 6 D. 5

x cm

The area = 20 cm^2

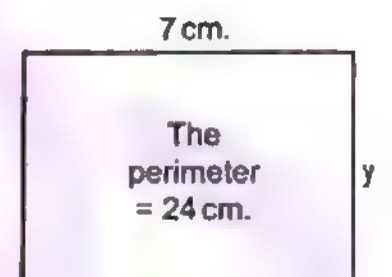
4 cm

41 **In the opposite figure :**

The value of y is ________

A. 4 cm B. 5 cm

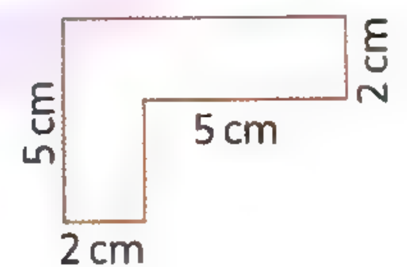
C. 6 cm D. 7 cm



42 The perimeter of the opposite complex figure equals ____ cm

A. 14 B. 21

C. 19 D. 24



43 The area of the opposite figure equals ________ cm^2

A. 30 B. 50

C. 400 D. 100

The area = 40 cm^2

The area = 10 cm^2



Unit 4

Complete the following

1. A rectangle has length (L) and width (W), its area = ——
2. The perimeter of the rectangle = ———— + ————
3. Area of a square = side length × ————
4. If the side length of the square is (S), then its perimeter = —× ——
5. The side length of a square = its perimeter ÷ ————
6. The width of the rectangle = its area ÷ ————
7. A square whose side length is 8 cm , then its area = ———— cm^2
8. The perimeter of the square of side length 7 cm = ———— cm
9. The area of the rectangle with 3 cm wide and 9 cm long = —— cm^2
10. The perimeter of the rectangle whose length is 6 cm and its width is 4 cm is —— cm
11. A carpet in the shape of a square of side length 3 m , its area = —— m
12. A square of side length 9 meters, then its perimeter = —— meters
13. A rectangle of length 8 cm , width 5 cm , its area = ———— cm^2
14. A rectangle of 12 m length and 8 m width , its perimeter is ———— m
15. If the side length of a square is 20 cm , then its perimeter = ———— cm



Complete the following

Unit 4

16 The perimeter of a square is 36 cm , then the length of its side = ____ cm.

17 The length of the side of a square whose perimeter is 28 cm is ____ cm

18 A square of area 25 cm^2 , then its side length is ________

19 The area of a rectangle is 32 m^2 and its length is 8 m , then its width is ______

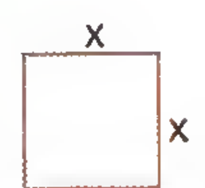
20 A square has an area of 16 square centimeters, then its perimeter = ____ cm

21 A square has a perimeter 12 cm, then its area is ________

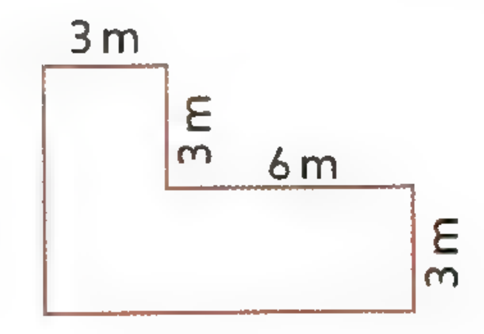
22 A square has a perimeter 24 cm , then its area is ________

23 The area of a rectangle with 8 cm long and 2 cm wide equals the area of a square of side length ________ cm

24 If the area of the opposite figure equals 25 m^2, then the value of x is ________ m



25 The area of the opposite figure equals ________ m^2





Unit 4

Answer the following

1. A small rectangular ant farm , with length 20 cm and width 8 cm.
   What is the area of the ant farm ?

2. A square picture with a side length 9 cm. Hamza wants to make a piece of glass to cover this picture. What is the area of the glass piece ?

3. Shady is building a rectangular frame. Its length is 42 millimeters and its width is 28 millimeters. What will the perimeter of the frame be ?

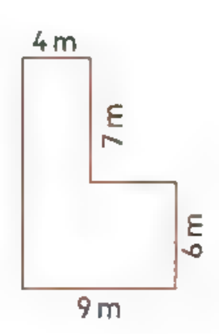
4. Amal is putting a border around the edge of a square cake. One side of the cake is 30 cm long. How long will the border of Amal's cake be ?

5. A square-shaped room has a side length 6 meters.
   What is the area of the ground of the room in square meters ?

6. A rectangular flowerbed in the city park has an area 15 square meters.
   The width of the flowerbed is 3 meters. What is the length of the flowerbed ?

7. Jana walked once around the squared playground. She covered a distance of 20 m What is the area of this playground ?

8. Wael wants to place a wooden fence around his vegetable garden.
   Each meter of fencing costs 10 L.E.
   Find the cost of the new fence.

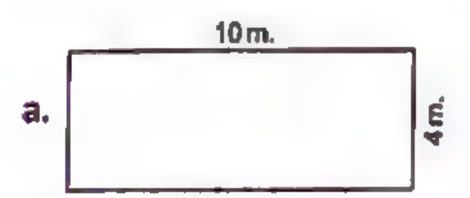


Unit 4

Answer the following

9 Find the area and perimeter of the rectangle and the square.

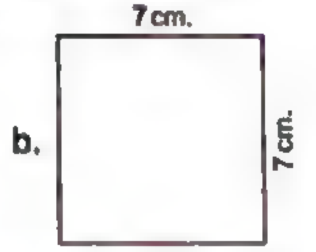
a.



Area = ________

Perimeter = ________

b.

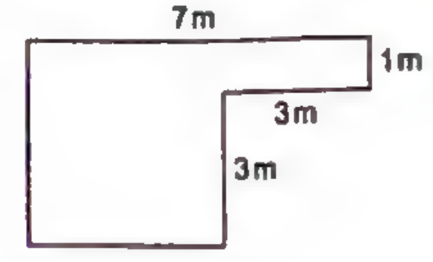


Area = ________

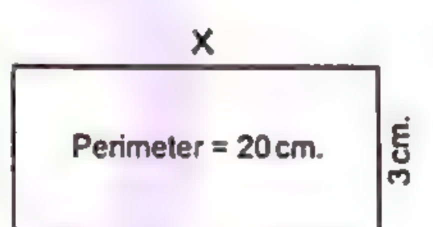
Perimeter = ________

10 Find the unknown side length based on the givens of each rectangle.

a.

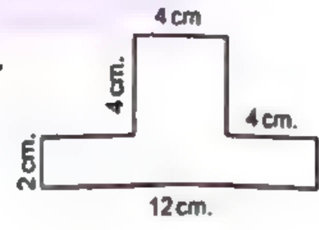


b.

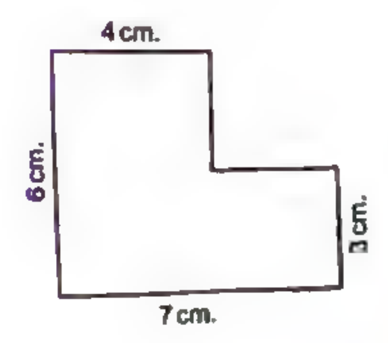


11 Calculate the area and the perimeter of the following complex shape.

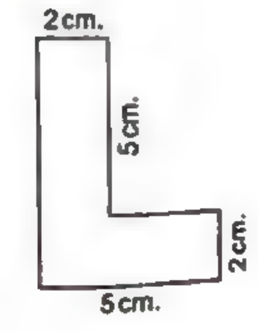
a.



b.



c.



d.

The Answers

Choose the correct answer:

1. A	2. B	3. D	4. B	5. C
6. D	7. D	8. B	9. A	10. B
11. A	12. C	13. D	14. A	15. D
16. A	17. B	18. D	19. B	20. B
21. D	22. A	23. C	24. D	25. C
26. D	27. B	28. D	29. C	30. A
31. C	32. C	33. D	34. B	35. A
36. B	37. 7	38. A	39. D	40. D
41. B	42. D	43. B		

Complete the following:

1) L x W
2) 2L + 2w
3) itself
4) S x 4
5) 4
6) length
7) 8 x 8 = 64
8) 7 x 4 = 28
9) 3 x 9 = 27
10) 2x(6+4) = 20
11) 3 x 3 = 9
12) 9 x 4 = 36
13) 8 x 5 = 40
14) 2x (12+8) = 40
15) 20 x 4 = 80
16) 36 ÷ 4 = 9
17) 28 ÷ 4 = 7
18) 5
19) 32 ÷ 8 = 4
20) 16
21) 12 ÷ 4 = 3 , 3 x 3 = 9
22) 24 ÷ 4 = 6 , 6 x 6 = 36
23) 8 x 2 = 16 , 4
24) x = 5
25) 36

The Answers

answer the following:

1) area = Lxw = 20 x 8 = 160 cm^2

2) area = sxs = 9 x 9 = 81 cm^2

3) perimeter = 2x (L+W) = 2 x (42 +28) = 2x 70 = 140 mm

4) 30 x 4 = 120 cm

5) 6 x 6 = 36 m^2

6) length = 15 ÷ 3 = 5 m

7) 20 ÷ 4 = 5 m 5 x 5 = 25 m^2

8) the perimeter = 13 x 9 = 117 m , the cost 117 x 10 = 1170 L.E.

9) area= 10 x 4 = 40 m^2 , perimeter = 2 x (10 +4) = 28 m

Area = 7 x 7 = 49 cm^2 , perimeter = 7 x 4 = 28 cm

10) a. 36 ÷ 9 = 4 m , b. 20 ÷2 -3 = 7 cm

11) a. area = 19m^2 , perimeter = 22m

b. area = 40m^2 , perimeter = 36 cm

c. area = 33m^2 , perimeter = 26 cm

d. area = 20cm^2 , perimeter = 24cm



Unit 5

Choose the correct answer

1. $2+2+2+2+2=2\times$ ______

A. 10 B. 5 C. 20 D. 4

2. $7+7+7+7=$ ______

A. 4×7 B. $7+4$ C. 7×7 D. $7+7$

3. $8+8+8+8+8=$ ______

A. $8\times8=64$ B. $4\times8=32$ C. $6\times8=48$ D. $5\times8=40$

4. 36 is ______ times the number 9

A. 6 B. 4 C. 5 D. 7

5. The number 35 is 5 times the number ______

A. 4 B. 7 C. 8 D. 6

6. ______ is 3 times 8

A. 18 B. 11 C. 24 D. 16

7. 45 is ______ times the number 9

A. 40 B. 5 C. 8 D. 9

8. The number 30 equals 5 times the number ______

A. 3 B. 4 C. 6 D. 8

9. The number which is 4 times of 3 is ______

A. 8 B. 12 C. 10 D. 16

10. 54 is 6 times the number ______

A. 9 B. 8 C. 7 D. 6



Unit 5

Choose the correct answer

11) 42 is ______ times the number 6.
A. 6　B. 7　C. 8　D. 9

12) The number 20 equals 5 times the number ______
A. 4　B. 5　C. 15　D. 25

13) 48 is 6 times the number ______
A. 6　B. 9　C. 7　D. 8

14) The number which is 5 times the number 6 is ______
A. 30　B. 35　C. 40　D. 45

15) 10 times the number 910 = ______
A. 910　B. 9,100　C. 91,000　D. 910,000

16) What number is 10 times the number 17 ?
A. 27　B. 1,700　C. 7　D. 170

17) 10 times the number 430 = ______
A. 430　B. 4,300　C. 43,000　D. 430,000

18) What number is 8 times the number 12 ?
A. 120　B. 80　C. 128　D. 96

19) $24 \times 15 = 15 \times 24$ represents the ______ property.
A. associative　B. commutative　C. identity　D. distributive

20) $87 \times 12 =$ ______ $\times 87$
A. 87　B. 12　C. 14



Unit 5

Choose the correct answer

21) If $7 \times 5 = a \times 7$, then a = ________

A. 5 B. 7 C. 2 D. 35

22 If $33 \times 4 = 4 \times a$, then the value of a = ________

A. 132 B. 4 C. 33 D. 9

23) If $a \times 36 = 36 \times 5$, then a = ________

A. 36 B. 5 C. 6 D. 1

24 $(2 \times 3) \times 5 = 2 \times (3 \times 5)$ represents the ________ property.

A. associative B. commutative C. additive identity D. distributive

25 Which equation would be best to include in an explanation of the Associative Property of Multiplication?

A. $(9 \times 12) \times 0 = 0$ B. $(3 \times 7) \times 2 = 3 \times (7 \times 2)$

C. $(4 \times 6) \times 1 = 4 \times 6$ D. $(11 \times 8) \times 9 = 9 \times (11 \times 8)$

26) $2 \times (5 \times 4) = (2 \times$ ________ $) \times 4$

A. 0 B. 1 C. 10 D. 5

27) $(34 \times 7) \times 19 = 34 \times ($ ________ $\times 19)$

A. 34 B. 7 C. 19 D. 238

28 The identity number of multiplication is ________

A. 0 B. 1 C. 40 D. 100

29) 1×258 ◯ $1 + 258$

A. $<$ B. $=$ C. $>$



Unit 5

Choose the correct answer

30 Which choice best shows the zero property of multiplication?

A. $1 \times 5 = 5$ B. $9 \times 6 = 6 \times 9$

C. $6 \times 10 = 60$ D. $0 \times 5 = 0$

31 $532 \times$ zero = ________

A. zero B. 1 C. 2 D. 532

32 $[200 \times 3] \times 0 =$ ________

A. 600 B. 6,000 C. zero D. 203

33 $18 \times 10 =$ ________

A. 28 B. 108 C. 1,180 D. 180

34 $2 \times 6 \times 100 =$ ________

A. 120 B. 1,200 C. 12,000 D. 612

35 ________ $= 1,000 \times 40$

A. 400 B. 4,000 C. 40,000 D. 400,000

36 $2,000 = 2 \times$ ________

A. 1,000 B. 100 C. 10 D. 1

37 $250 \times$ ________ $= 250,000$

A. 10 B. 100 C. 1,000 D. 10,000

38 $50 \times 6 =$

A. 30 B. 300 C. 3,000 D. 3



Unit 5

Choose the correct answer

39) $80 \times 7 =$ ______

A. 560 B. 56 C. 5,600 D. 87

40) $4 \times 300 =$ ______

A. 700 B. 1,200 C. 800 D. 240

41) $5 \times 400 =$ ______

A. 200 B. 20,000 C. 2,000 D. 20

42) $4 \times$ ______ $= 240$

A. 40 B. 60 C. 20 D. 80

43) $34 \times$ ______ $= 3{,}400$

A. 1 B. 10 C. 100 D. 1,000

44) $20 \times 5 = 2 \times$ ______

A. 100 B. 50 C. 30 D. 60

45) $80 \times 60 =$ ______ $\times 100$

A. 84 B. 80 C. 48 D. 4,800

46) If $850 \times m = 850$, then $m =$ ______

A. 1 B. 850 C. 2 D. 0



Unit 5

Choose the correct answer

47 If $X \times 100 = 500$, then $X =$ ______

A. 10 B. 5 C. 15 D. 20

48 If $5 \times a = 35$, then $a =$ ______

A. 7 B. 5 C. 6 D. 8

49 If $7 \times b = 21$, then $b =$ ______

A. 3 B. 14 C. 2 D. 6

50 If $z \times 8 = 32$, then $z =$ ______

A. 4 B. 8 C. 2 D. 3

51 If $n \times 3 = 18$, then $n =$ ______

A. 4 B. 6 C. 3 D. 5

52 In the equation $6 \times b = 42$, then $b =$ ______

A. 8 B. 5 C. 6 D. 7

53 There are 4 bicvcles on a road , and 14 times as many cars as bicycles. How many cars are on the road ?

A. 46 B. 14 C. 56 D. 18

54 A building is 20 meters high. A bridge is 5 meters long. How many times the building is longer than the bridge ?

A. 3 B. 4 C. 15 D. 10



Unit 5

Complete the following

1. $5 + 5 + 5 = 5 \times$ ______
2. $7 + 7 + 7 + 7 + 7 = 7 \times$ ______
3. $10 + 10 + 10 + 10 =$ ______ $\times$ ______ $=$ ______
4. The multiplication equation of $8 + 8 + 8 + 8 + 8 = 40$ is ______
5. The multiplicative comparison statement for

9	9	9	9	9	9

   ______ is ______ times the number 9.
6. 4 times the number 9 is ______
7. 5 times the number ______ is 20.
8. ______ is 5 times the number 3
9. 12 is ______ times the number 3
10. 24 is ______ times the number 8.
11. 5 times the number ______ is 40.
12. 10 is ______ times the number 2.
13. The product of multiplying a number $\times$ zero $=$ ______
14. $980 \times 0 =$ ______
15. $1 \times 65 =$ ______



Unit 5

Complete the following

16. $3 \times 32 = 32 \times 3$ the property used is ....
17. $20 \times 6 =$ .... $\times 20$
18. $(42 \times 15) \times$ .... $= 42 \times (15 \times 25)$
19. $(7 \times 15) \times 2 = 7 \times (15 \times$ .... $)$
20. $2 \times [3 \times 4] = [2 \times$ .... $] \times 4$
21. .... $\times 245 = 24,500$
22. $19,000 =$ .... $\times 19$
23. $700 \times 7 =$ ....
24. $600 \times 3 =$ ....
25. $30 \times 70 =$ ....
26. $3 \times 2,000 =$ ....
27. .... $\times 70 = 3,500$
28. $6,000 \times$ .... $= 42,000$
29. If $n \times 3 = 15$, then $n =$ ....
30. If $A \times 7 = 35$, then $A =$ ....
31. If $6 \times y = 30$, then $y =$ ....



Unit 5

Complete the following

32. If $A \times 6 = 18$, then $A =$ ______
33. If $5 \times n = 50$, then $n =$ ______
34. If $a \times 6 = 48$, then $a =$ ______
35. If $8 \times c = 88$, then $c =$ ______
36. $7 \times (2 \times 5) =$ ______
37. $(5 \times 8) \times 7 =$ ______ $\times$ ______ $=$ ______

Answer the following

1. Compare, write the method you used.
   a. 64 and 8 ______
   b. 36 and 4 ______

2. Write an equation for each comparison statement.
   a. A number is 6 times the number 5
   b. 40 is 5 times a number.

3. Apply the properties of multiplication to solve the problems.
   a. $2 \times 3 \times 5$
   b. $5 \times 14 \times 2$



Unit 5

Answer the following

4. Sarah walked 5,000 meters every day for 9 days, what is the total number of kilometers that Sarah walked ?

5. Maha saves 10 pounds of her expenses every day. How much does she save per week ?

6. Ahmed bought 10 pens, if the price of a pen is 200 piasters, what is the price of all pens ?

7. Hany bought 4 mobiles , the price of each mobile is 3,000 pounds. How much did Hany pay ?

8. Ayman ate 4 figs in the morning. His older brother ate 3 times as many as Ayman. How many figs did his brother eat ?

9. Ayman has 5 bags , each bag has 8 packs of coloring pencils , if each pack has 6 coloring pencils, how many pencils Ayman has ?



The Answers

Choose the correct answer:

1. B	2. A	3. D	4. B	5. B
6. C	7. B	8. C	9. B	10. A
11. B	12. A	13. D	14. A	15. B
16. D	17. B	18. D	19. B	20. B
21. A	22. C	23. B	24. A	25. B
26. D	27. B	28. B	29. A	30. D
31. A	32. C	33. D	34. B	35. C
36. A	37. C	38. B	39. A	40. B
41. C	42. B	43. C	44. B	45. C
46. A	47. B	48. A	49. A	50. A
51. B	52. D	53. C	54. B	

Complete the following:

1) 3	2) 5	3) 10 X 4 = 40
4) 5 X 8 = 40	5) 54 , 6	6) 36
7) 4	8) 15	9) 4
10) 3	11) 8	12) 5
13) zero	14) 0	15) 65
16) commutative	17) 6	18) 25
19) 2	20) 3	21) 100



The Answers

Complete the following:

22) 1000
23) 4900
24) 1800
25) 2100
26) 6000
27) 50
28) 7
29) 5
30) 5
31) 5
32) 3
33) 10
34) 8
35) 11
36) 7x10 = 70
37) 40 x 7 = 280

Answer the following:

1) a. 64 is 8 times number 8
   b. 36 is 9 times number 4
2) a. n= 6 x 5
   b. 40 = 5 x k
3) a. (2 x 3) x 5 = 6 x 5 = 30
   b. (5 x 2) x 14 = 10 x 14 = 140
4) the total = 5,000 x 9 = 45,000 m = 45 km
5) she save = 10 x 7 = 70 pounds
6) the price of all pens = 10 x 200 = 2000 piasters
7) Hany paid = 4 x 3,000 = 12,000 pounds
8) his brother ate = 3 x 4 = 12 figs
9) Ayman has = 5 x 8 x 6 = (5 x 6) x 8 = 30 x 8 = 240 pencils



Unit 6

Choose the correct answer

1. The smallest prime number is ________

A. 1 B. 2 C. 3 D. 5

2. The smallest odd prime number is ________

A. 1 B. 2 C. 5 D. 3

3. ________ is a prime number.

A. 4 B. 6 C. 7 D. 9

4. ________ is a prime number.

A. 1 B. 6 C. 9 D. 3

5. Which of the following is a prime number?

A. 1 B. 10 C. 15 D. 17

6. Which number is a prime number?

A. 11 B. 50 C. 15 D. 30

7. ________ is NOT a prime number.

A. 1 B. 2 C. 7 D. 11

8. Which of the following is not a prime number?

A. 2 B. 7 C. 9 D. 11

9. All the following are prime numbers except ________

A. 5 B. 7 C. 3 D. 6

10. All the following are prime numbers except ________

A. 1 B. 2 C. 3 D. 5



Unit 6

Choose the correct answer

11 The next prime number after 7 is ______

A. 15 B. 13 C. 11 D. 10

12 All the following are composite numbers except ______

A. 23 B. 25 C. 15 D. 35

13 The prime number between 30 , 35 is

A. 11 B. 31 C. 33 D. 34

14 The number which is composite (not prime) is ______

A. 11 B. 7 C. 5 D. 12

15 The composite number of the following is ______

A. 3 B. 5 C. 7 D. 9

16 All the following numbers are composite except ______

A. 66 B. 67 C. 68 D. 69

17 The prime number has ______ factors only.

A. 0 B. 1 C. 2 D. 4

18 The prime number where the sum of its factors is 8 is ______

A. 2 B. 3 C. 5 D. 7

19 The common factor of all numbers is ______

A. 2 B. 3 C. 0 D. 1

20 The number 8 has ______ factors.

A. 2 B. 3 C. 4 D. 5

Unit 6

Choose the correct answer

21. The number of all factors of 12 is ______

A. 2 B. 4 C. 12 D. 6

22. 5 has ______ factors only.

A. 1 B. 2 C. 3 D. 4

23. The number 11 has ______ factors.

A. 1 B. 2 C. 3 D. 4

24. The number 7 has ______ factors.

A. 1 B. 2 C. 3 D. 4

25. All the factors of 12 are ______

A. 1 , 12 , 2 , 6 , 3 , 4 B. 1 , 12 C. 0 D. 3 , 4 , 6 , 2

26. All the factors of 16 are ______

A. 1 , 16 B. 2 , 4 , 8 C. 1 , 2 , 4 , 8 , 16 D. 4 , 8 , 16

27. The number ______ has the factors 1 , 2 , 4 , 5 , 10 , 20.

A. 10 B. 16 C. 20 D. 30

28. The number ______ is a factor of the number 8

A. 16 B. 24 C. 32 D. 4

29. From the factors of the number 15 is ______

A. 2 B. 5 C. 9 D. 10

30. ______ is a factor of 5

A. 2 B. 3 C. 4 D. 5

Unit 6

Choose the correct answer

31) The number ________ is a factor of 12

A. 5 B. 6 C. 10 D. 20

32) The number ________ is one of the factors of the number 49

A. 11 B. 7 C. 5 D. 2

33) ________ is a factor of 72

A. 5 B. 9 C. 7 D. 11

34) ________ is a factor of the number 12

A. 17 B. 15 C. 5 D. 3

35) ________ is a factor of 14.

A. 2 B. 3 C. 4 D. 5

36) ________ is a factor of 27.

A. 4 B. 5 C. 9 D. 10

37) ________ is a factor of 63

A. 2 B. 5 C. 7 D. 11

38) 4 is a factor of ________

A. 14 B. 12 C. 22 D. 42

39) 7 is a factor of ________

A. 36 B. 42 C. 22 D. 27

40) 12 is a factor of ________

A. 24 B. 16 C. 28 D. 32



Unit 6

Choose the correct answer

41 3 and 5 are two factors of the number ______

A. 5 B. 3 C. 8 D. 15

42 3 and 7 are factors of ______

A. 36 B. 18 C. 35 D. 42

43 Which number is the greatest common factor [G.C.F] of 12 and 6 ?

A. 2 B. 3 C. 6 D. 12

44 The common factor between 6 and 9 is ______

A. 3 B. 1 C. 0 D. 17

45 G.C.F of 36 and 24 is ______

A. 8 B. 12 C. 9 D. 6

46 1 and 7 are common factors of ______

A. 2 and 7 B. 2 and 14 C. 2 and 12 D. 7 and 14

47 ______ is a multiple of 2

A. 3 B. 5 C. 11 D. 8

48 ______ is a multiple of 3

A. 19 B. 10 C. 12 D. 25

49 Which of the following is a multiple of 5 ?

A. 12 B. 56 C. 45 D. 89

50 The number ______ is a multiple of 10

A. 2 B. 5 C. 15 D. 20



Unit 6

Choose the correct answer

51) Which number is a multiple of 9 ?

A. 1 B. 3 C. 27 D. 30

52) The number ——— is one of the multiples of the number 7

A. 12 B. 13 C. 14 D. 15

53) The multiple of 4 is ———

A. 1 B. 2 C. 3 D. 4

54) ——— is a multiple of 8.

A. 56 B. 42 C. 36 D. 18

55) The number ——— is a multiple of the number 3

A. 8 B. 16 C. 18 D. 25

56) The number ——— is one of multiples of the number 5

A. 38 B. 53 C. 35 D. 6

57) All the following are multiples of 5 except ———

A. 5 B. 1 C. 10 D. 15

58) Which of the following is not a multiple of 7 ?

A. 0 B. 7 C. 21 D. 12

59) ——— is not a multiple of 6.

A. 36 B. 0 C. 26 D. 24

60) ——— is not a multiple of 7

A. 28 B. 707 C. 36 D. 42



Unit 6

Choose the correct answer

61 The number 20 is a multiple of the number ________

A. 3 B. 6 C. 5 D. 7

62 The number 21 is a multiple of ________

A. 2 B. 3 C. 5 D. 9

63 24 is a multiple of ________

A. 16 B. 14 C. 8 D. 9

64 25 is a multiple of ________

A. 5 B. 7 C. 9 D. 10

65 28 is one of the multiples of number ________

A. 7 B. 8 C. 5 D. 6

66 30 is a multiple of ________

A. 8 B. 7 C. 6 D. 4

67 8 is a multiple of ________ and ________

A. 2 , 6 B. 4 , 12 C. 4 , 8 D. 8 , 16

68 45 is a multiple of ________

A. 7 B. 9 C. 6 D. 2

69 The number 30 is a multiple of the number ________

A. 7 B. 4 C. 8 D. 3

70 48 is not a multiple of ________

A. 6 B. 8 C. 4 D. 9

Choose the correct answer

71 . The common multiple of all numbers is ______

A. 1 B. 2 C. 0 D. 3

72 Which is common multiple of 5 and 10 ?

A. 20 B. 15 C. 35 D. 45

73 The common multiple of 5 and 7 is ______

A. 35 B. 45 C. 49 D. 12

74 ______ is a common multiple of 9 and 6

A. 12 B. 18 C. 24 D. 27

75 ______ is a common multiple for 8 and 6

A. 28 B. 36 C. 24 D. 42

76 . The even number which is a multiple of : 3 , 4 , 6 together is ______

A. 20 B. 18 C. 28 D. 12

77 Which is NOT a common multiple of 3 and 5 ?

A. 15 B. 30 C. 40 D. 45

78 Which is NOT a common multiple of 9 and 6 ?

A. 36 B. 54 C. 27 D. 18

79 30 is a common multiple of ______

A. 5 and 4 B. 6 and 9 C. 3 and 8 D. 5 and 3

80 0 is a common multiple of ______

A. 10 and 8 only. B. all numbers. C. 6 and 9 only. D. 4 and 5 only.



Unit 6

Complete the following

1. The common factor for all numbers is ______
2. ______ is the common multiple for all numbers.
3. The only even prime number is ______
4. The smallest prime number is ______
5. The smallest odd prime number is ______
6. The prime number has only ______ factors.
7. The prime number which is just after 13 is ______
8. A number that has only two factors and their sum of 8 is ______
9. The number 4 has ______ factors.
10. 18 has ______ factors.
11. The number whose factors are 1 , 3 , 5 , 15 is ______
12. The numbers 1 , 3 , 9 , 27 are all factors of ______
13. All factors of 6 are ______
14. All the factors of 10 are ______
15. The factors of 15 are ______
16. All factors of 23 are ______



Unit 6

Complete the following

17. All the factors of 32

18. Write 3 factors of 36 ________ , ________ , ________

19. The factor pair 3 and 8 is for the number ________

20. The G.C.F of 4 and 8 is ________

21. The G.C.F of 5 and 7 is ________

22. The G.C.F of 8 and 16 is ________

23. The G.C.F of 20 and 30 is ________

24. G.C.F of 10 and 25 is ________

25. G.C.F of 28 and 42 is ________

26. G.C.F of 18 and 40 is ________

27. G.C.F of 22 and 33 is ________

28. ________ is the common multiple for all numbers.

29. Write four multiples of 4 ________ , ________ , ________ , ________

30. Write 3 multiples of 5 ________ , ________ , ________

31. If $4 \times 9 = 36$, then ____ is a multiple of the two numbers ____ and ____

32. If $7 \times 3 =$ ____, then ____ is a multiple of the two numbers 7 and 3

33. 15 is a multiple of 5 , then ________ is a factor of ________



Unit 6

Complete the following

34 List 5 common multiples of 2 , 3

______ , ______ , ______ , ______ , ______

35 Find two common multiples of 3 and 5 ______

36 Two common multiples of 2 and 5 ______

37 The missing factor in the opposite factor rainbow is ______



38 The missing factor in the opposite factor T-chart is ______

Factors of 18	
1	18
2	◯
3	6

Answer the following

1 Find the common factors of

a. 30 and 42

b. 12 and 28

c. 19 and 8



Unit 6

Answer the following

2. Find G.C.F of 18 and 6

Factors of 18 : ____________

Factors of 6 : ____________

Common factors : ____________

G.C.F : ____________

3. Find G.C.F of 16 , 20

Factors of 16 :

Factors of 20 : ____________

Common factors : ____________

G.C.F : ____________

4. Find the G.C.F of

a. 12 and 18 b. 10 , 15 c. 8 and 12

d. 20 and 30 e. 24 and 40. f. 25 and 45

5. Find the multiples of each of the numbers 8 and 12 up to 40, then find the common multiples between them.

6. The number is an even number , it is a multiple of 3 and 5 and lies between 20 and 40 What number is it ?



Unit 6

Answer the following

7 An even number between 20 and 30 , some of its factors include : 1 , 2 , 4 , 7 and 14 What is it ?

8 The number is an odd number , it is a multiple of 3 and a factor of 18 and lies between 5 and 15. What number is it ?

9 Bassem has a swimming practice every five days of July , beginning July 5 How many times he will go to his practice in July ?

10 Bassem has 48 pens and 40 pencils , he wants to put them in packs so that each pack has the same number of pens and the same number of pencils. What is the greatest number of packs ? What is the number of pens and pencils of each pack ?



The Answers

Choose the correct answer:

1. B   2. D   3. C   4. D   5. D

6. A   7. A   8. C   9. D   10. A

11. C   12. A   13. B   14. D   15. D

16. B   17. C   18. D   19. D   20.C

21. D   22. B   23. B   24. B   25. A

26. C   27. C   28. D   29. B   30. D

31. B   32. B   33. B   34. D   35. A

36. C   37. C   38. B   39. B   40. A

41. D   42. D   43. C   44. 3   45. B

46. D   47. D   48. C   49. C   50. D

51. C   52. C   53. D   54. A   55. C

56. C   57. B   58. D   59. C   60. C

61. C   62. B   63. C   64. A   65. A

66. C   67. C   68. B   69. D   70. D

71. C   72. A   73. A   74. B   75. C

76. D   77. C   78. C   79. D   80. B

The Answers

Complete the following:

1) 1 2) 0 3) 2 4) 2

5) 3 6) 2 7) 17 8) 7

9) 3 10) 6 11) 15 12) 27

13) 1,2,3,6 14) 1,2,5,10 15) 1,3,5,15 16) 1,23

17) 1,2,4,8,16,32 18) 1,6,36

19) 24 20) 4 21) 1 22) 8

23) 10 24) 5 25) 14 26) 2

27) 11 28) 0 29) 4 , 8 , 12, 16

30) 5,10, 15 31) 36 , 4 and 9

32) 21 , 21 33) 5 , 15

34) 6 , 12 , 18, 24 , 30 35) 15 , 30

36) 10 , 20 37) 6 38) 9

Answer the following:

1) a. 1 , 2 , 3, 6 b. 1 , 2 , 4 c. 1

2) factors of 18 : 1 , 2 , 3 , 6 , 9 , 18

Factors of 6 : 1, 2, 3 , 6

Common factors : 1 , 2 , 3 , 6

GCF : 6



The Answers

3) factors of 16 : 1 , 2 , 4 , 8 ,16

Factors of 20 : 1, 2, 4 , 5 , 10 , 20

Common factors : 1 , 2 , 4

GCF : 4

4) a. 6 b. 5 c. 4 d. 10 e. 8 f. 5

5) multiples of 8 : 0 , 8 , 16 , 24 , 32 , 40

Multiples of 12 : 0 , 12, 24 , 36

The common multiples : 0 , 24

6) the number is 30

7) the number is 28

8) the number is 9

9) 5 , 10 , 15 , 20 , 25 , 30 6 times

10) factors of 48 : 1 , 2 , 3 , 4 , 6 , 8 , 12 , 16 , 24 , 48

Factors of 40 : 1, 2, 4 , 5 , 8 , 10 , 20 , 40

the greatest number of packs = 8

number of pens = 48 ÷ 8 = 6 pens

number of pencils = 40 ÷ 8 = 5 pencils

Q1: Choose the correct answer:

1) A square of side length 8 cm, then its perimeter = ... cm

(a) 16 (b) 24 (c) 32 (d) 40

2) The perimeter of the rectangle of 8 cm long and 2 cm wide equals .... cm

(a) 16 (b) 20 (c) 6 (d) 10

3) A rectangle its length is L and its width is W, What is its perimeter?

(a) W + L (b) L x W (c) 2 x [W + L] (d) W + [2 x L]

4) Area of a square of side length 5 cm = ... cm^2

(a) 20 (b) 25 (c) 15 (d) 30

5) A rectangle of length 20 cm and width 10 cm , then its area is ...... square cm

(a) 60 (b) 20 + 10 (c) 200 (d) 2 x 20 + 2 x 10

6) A square of side length 4 cm , then its perimeter = ... cm

(a) 16 (b) 8 (c) 12 (d) 24

7) A rectangle with an area 30 cm^2, if its length is 6 cm, then its width equals ....

(a) 6 cm (b) 5 cm (c) 11 cm (d) 30 cm

8) A square with perimeter 32 cm, then its area is .... cm^2

(a) 8 (b) 24 (c) 64 (d) 32

9) A rectangle with area 24 cm^2 , and length 8 cm, then its perimeter is ....

(a) 3 (b) 24 (c) 192 (d) 22

10) A rectangle with perimeter is 28 cm, and its width 5 cm, then its area is .... cm^2

(a) 45 (b) 9 (c) 14 (d) 33

11) Area of rectangle = length x ....

(a) itself (b) width (c) 4 (d) height

12) The perimeter of a square is 40 cm, then its side length = ... cm

ⓐ 10 ⓑ 20 ⓒ 30 ⓓ 4

13) A rectangle its length is 8 cm and its width is 4 cm, then its area = ... cm^2

ⓐ 32 ⓑ 12 ⓒ 24 ⓓ 64

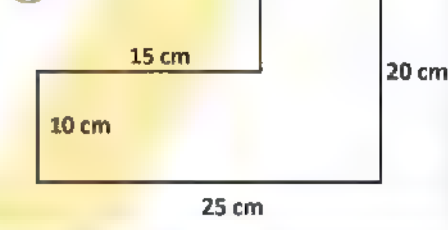
14) A square whose area 36 km^2, then its side length is ....

ⓐ 6 ⓑ 4 ⓒ 5 ⓓ 9

15) A square with area 1 m^2 What is its perimeter?

ⓐ 1 m ⓑ 2 m ⓒ 3 m ⓓ 4 m

16) In the opposite figure: its area = ...



ⓐ 70 cm ⓑ 350 cm^2

ⓓ 350 cm ⓒ 90 cm

Q2: Complete the following:

1) Area of rectangle its length is 7 cm, width is 3 cm = ... cm^2
2) A square has an area of 16 square centimeters, then its perimeter = ... cm
3) If the side length of the square is [S], then its perimeter rule = ... x ....
4) Asquare has a perimeter 12 cm,then its area is ....
5) A square of side length 3 cm, then its perimeter = ... cm
6) The side length of the square whose perimeter is 28 cm is .... cm
7) A square of area 64 cm^2 , then its side length is .... cm
8) A rectangle of perimeter 18 cm, and length 5 cm, then its wide .... cm
9) The perimeter of a square is 16 cm , then the length of its side ....
10) A rectangle its length is [L] and its width is [W],

    its perimeter = ...





11) The perimeter of the square of side length 7 cm = ... cm
12) The perimeter of a square which its area is 36 cm^2 is ....



Q3: Answer the following:

1) A square-shaped room has a side length 3 meters,

   What is the area of the ground of the room in square meters?

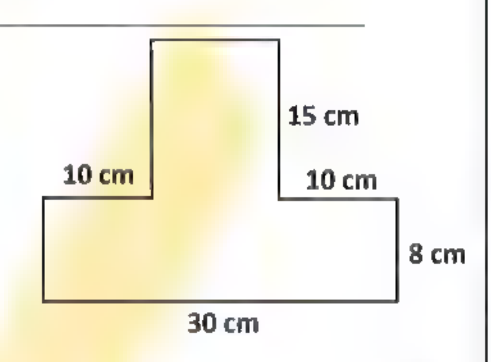
   ____

2) A rectangle of length 5 cm and width 3 cm. Find the perimeter?

   ____

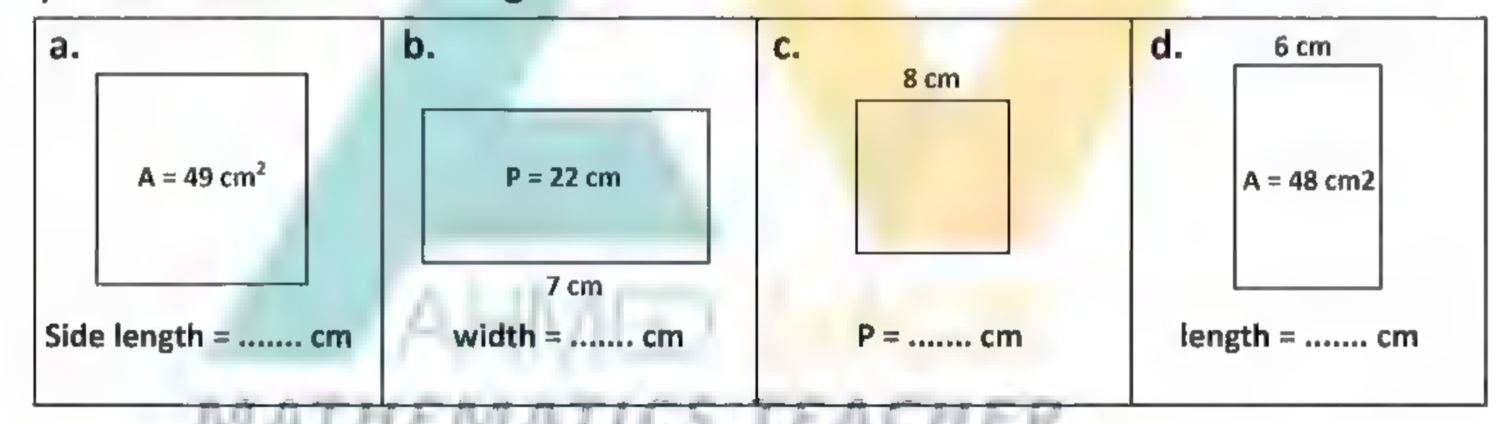
3) Find the area and the perimeter of the opposite figure

   A = ... P = ...



4) A small rectangular ant farm, with length 20 cm and width 8 cm. What is the area of the farm ?

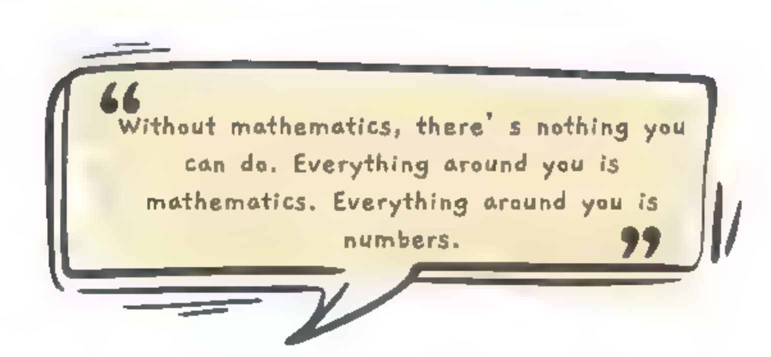
5) Find each of the following:



6) A square whose side length is 4 meters, then Find its area in square meters.

7) A rectangular playground is 7 meters long and 4 meters wide.

   Find its perimeter?







Q1: Choose the correct answer:

1) The number 40 equals 5 times the number ....

ⓐ 4 ⓑ 8 ⓒ 15 ⓓ 25

2) The number 42 is 6 times the number ....

ⓐ 7 ⓑ 8 ⓒ 9 ⓓ 5

3) The number .... equals 6 times 4.

ⓐ 10 ⓑ 2 ⓒ 24 ⓓ 12

4) 15 is equal to 5 times the number ....

ⓐ 2 ⓑ 3 ⓒ 6 ⓓ 9

5) The multiplication equation of the comparison statement

"24 is 6 times the number 4" is ....

ⓐ 6 + 4 = 24 ⓑ 3 x 8 = 24 ⓒ 6 x 4 = 24 ⓓ 12 x 2 = 24

6) 21 x 3 = 3 x ....

ⓐ 63 ⓑ 3 ⓒ 24 ⓓ 21

7) In the equation 8 x b = 48, then b = ...

ⓐ 8 ⓑ 7 ⓒ 6 ⓓ 5

8) 2 x [5 x 4]= [2 x ....] x 4

ⓐ 20 ⓑ 1 ⓒ 10 ⓓ 5



9) 80 x 60 = ... x 100

ⓐ 84 ⓑ 80 ⓒ 48 ⓓ 4,800



10) 50 x 120 = ... x 100

ⓐ 6 ⓑ 60 ⓒ 170 ⓓ 6,000

11) 5 x 7 = 7 x 5 the property is called ....

ⓐ associative ⓑ commutative ⓒ identity ⓓ otherwise



12) Which choice best shows the zero property of multiplication?

(a) 1 x 5 = 5 (b) 9 x 6 = 6 x 9 (c) 6 x 10 = 60 (d) 0 x 8 = 0

13) Sara had 6 times as many pounds as her brother. Her brother has 5 pounds.

How much money does Sara have ?

(a) 25 (b) 11 (c) 30 (d) 15

14) The Multipticative identity Element is ....

(a) 1 (b) 0 (c) 2 (d) 3

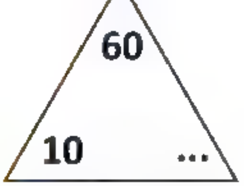
15) If 25 x m = 25, then m = ...

(a) 1 (b) 0 (c) 2 (d) 3

16) 2 x 3 x 5 = ...

(a) 235 (b) 10 (c) 30 (d) 27

17) The missing factor in the box equals ....



(a) 6,000 (b) 600 (c) 60 (d) 6

18) Which of the following represents the associative property ?

(a) 11 x 129 = 129 x 11 (b) 2 x [5 x 3] = [2 x 5] x 3

(c) 0 x 17 = 0 (d) [2 x L] x W

19) 5,000 x 4 = ...

(a) 2,000 (b) 2 thousands

(c) 20 hundreds (d) 200 hundreds

20) The bar model | 7 | 7 | 7 | 7 | 7 | 7 | represent that the number ....

is 6 times number 7

(a) 7 (b) 6 (c) 42 (d) 36





21) What is the number that is 10 times the number 18?



(a) 28 (b) 1,800 (c) 180 (d) 18

22) If a x 4= 4 x 2, then a = ...



(a) 8 (b) 4 (c) 2 (d) 6

Q2: Complete the following:

1) The product of multiplying a number x zero = ...
2) 7 + 7 + 7 + 7 = 4 x ....
3) 600 = ... hundreds
4) If 1,000 x Z = 3,000, then Z = ...
5) 34 x 15 = ... x .... is called commutative property.
6) 24 is .... times the number 2
7) .... is 5 times the number 7
8) 17,000 = ... hundreds
9) 7,000 x 6 = ...
10) The Multiplicative identify element is ....
11) 5 x [2 x 4] = 5 x .... = ...
12) 13 x 0 = 0 represents .... property.

Q3: Answer the following:

1) Apply the properties of multiplication to solve the problems.

   a. 5 x 7 x 2   b. 3 x 4,000   c. 4 x 7 x 5

2) Ahmed bought 3 mobiles, the price of each mobile is 7,000 pounds.
   How much did Ahmed pay?

3) Mazen works 30 hours a week. If he gains 5 L.E per hour.
   How much does Hany gain in two weeks ?



4) Find the unknown value

   a. 7 x 5,000 = 7 x 5 x m   b. [3 x 7] x 6 = 3 x [m x 6]

5) Ayman has 5 bags , each bag has 8 packs of coloring pencils,
   if each pack has 6 coloring pencits, how many pencils Ayman has ?



Q1: Choose the correct answer:

1) 3 and 7 are factors of ....

ⓐ 36 ⓑ 35 ⓒ 18 ⓓ 42

2) The factor pair 4 and 3 is for the number ....

ⓐ 24 ⓑ 12 ⓒ 16 ⓓ 36

3) The number 18 has .... factor[s]

ⓐ 2 ⓑ 4 ⓒ 5 ⓓ 6

4) The prime number has only .... factor[s]

ⓐ 2 ⓑ 4 ⓒ 1 ⓓ 0

5) The composite number has .... factor[s]

ⓐ 2 ⓑ more than 2 ⓒ 1 ⓓ 0

6) The smallest prime number formed from 2-digit is ....

ⓐ 2 ⓑ 1 ⓒ 11 ⓓ 7

7) The only even prime number is ....

ⓐ 2 ⓑ 3 ⓒ 1 ⓓ 19

8) Which of the following is a factor of 204?

ⓐ 2 ⓑ 3 ⓒ 6 ⓓ All the previous

9) Which of the following is a multiple of 6?

ⓐ 93 ⓑ 62 ⓒ 108 ⓓ 226

10) Which of the following is a multiple of 5?

ⓐ 551 ⓑ 220 ⓒ 607 ⓓ 37

11) The smallest odd prime number is ....

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 0

12) The common factor of all number is ....

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 0



13) The G.C.F of 20 and 30 is ....

ⓐ 1 ⓑ 4 ⓒ 5 ⓓ 10

14) 1 and 5 are the common factors of ....

ⓐ 2 and 5 ⓑ 3 and 5 ⓒ 5 and 15 ⓓ 5 and 7

15) The G.C.F of the two numbers: 12 and 18 is ....

ⓐ 6 ⓑ 12 ⓒ 18 ⓓ 36

16) The number 12 has .... pair of factor[s]

ⓐ 6 ⓑ 3 ⓒ 2 ⓓ 4

17) Which is a common multiple of 3 and 8 ?

ⓐ 20 ⓑ 36 ⓒ 12 ⓓ 24

18) Which is NOT a common multiple of 6 and 4?

ⓐ 12 ⓑ 42 ⓒ 24 ⓓ 36

19) .... is a multiple of 3

ⓐ 642 ⓑ 316 ⓒ 229 ⓓ 113

20) The even number which is a multiple of 3, 4, 10 together is ....

ⓐ 24 ⓑ 60 ⓒ 36 ⓓ 40

21) The even number which is a multiple of : 3 ,4 ,6 together is ....

ⓐ 16 ⓑ 32 ⓒ 28 ⓓ 60

22) Which is NOT a common multiple of 3 and 5?

ⓐ 15 ⓑ 30 ⓒ 40 ⓓ 45

23) .... is a multiple of all numbers.

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 0

24) The prime number between 25 to 30 is ....

ⓐ 26 ⓑ 27 ⓒ 28 ⓓ 29

25) .... is a even number that is common multiple of 3 and 9.

ⓐ 27 ⓑ 54 ⓒ 6 ⓓ 30



Q2: Complete the following:

1) The numbers 1 , 3 , 9 , 27 are all factors of ....
2) The number 9 has .... factors.
3) The smallest prime number is ....
4) The greatest 1-digit prime number is ....
5) Any number is a multiple of ....
6) The factor pair 3 and 8 is for the number ....
7) .... is a multiple of all numbers.
8) .... is a factor of all number.
9) The G.C.F of 7 and 21 is ....
10) Write 4 multiple of 3 .... , ... , ... , ...
11) The number which has only two factors and its sum equals 12 is ....
12) .... is a multiple of 4.

Q3: Answer the following:

1) Find the common factors and the greatest common factor G.C.F of 12 and 9
2) Find multiples of 6 that lying between 17 and 38
3) Find multiples of 3 and 8 up to 40, then find the common multiples between them.
4) Find all factors of 24, and create T-chart.
5) Find all factors of 18 and create rainbow.
6) Find all factors of 24 and 36, then find common factors and the G.C.F of them.
7) Write all prime numbers which are between 10 and 30
8) Find 4 multiples of the number 9.







Q1: Choose the correct answer:

1) c	6) a	11) b	16) b
2) b	7) b	12) a	
3) c	8) c	13) a	
4) b	9) d	14) a	
5) c	10) a	15) d	

Q2: Complete the following:

1) 21	5) 12	9) 4
2) 14	6) 7	10) 2 x [W + L]
3) S x 4	7) 8	11) 28
4) 9	8) 4	12) 24

Q3: Answer the following:

1) Area = 9 cm^2
2) Perimeter = 16 cm
3) A = 390 cm^2 P = 106 cm
4) Area = 160 cm^2
5) a. 7 cm b. 4 cm c. 32 cm d. 8 cm
6) Area = 16 m^2
7) Perimeter = 22 m





Q1: Choose the correct answer:

1) b	6) d	11) b	16) c	21) c
2) a	7) c	12) d	17) d	22) c
3) c	8) d	13) c	18) b	
4) b	9) c	14) a	19) d	
5) c	10) b	15) a	20) c	

Q2: Complete the following:

1) zero	5) 15 x 34	9) 42,000
2) 7	6) 12	10) 1
3) 6	7) 35	11) 8 , 40
4) 3	8) 170	12) zero

Q3: Answer the following:

1) a. [5 x 2] x 7 = 70 b. [3 x 4] x 1,000 = 12

c. [4 x 5] x 7 = 140

2) 3 x 7,000 = 21,000 L.E

3) He gains in two weeks = 30 x [5 x 2] = 300 L.E

4) a. m = 1,000 b. m = 7

5) [5 x 8] x 6 = 40 x 6 = 240





Q1: Choose the correct answer:

1) d	6) c	11) c	16) a	21) d
2) b	7) a	12) a	17) d	22) c
3) d	8) d	13) d	18) b	23) d
4) a	9) c	14) c	19) a	24) d
5) b	10) b	15) a	20) b	25) b

Q2: Complete the following:

1) 27	5) itself	9) 7
2) 3	6) 24	10) 3 , 6 , 9 , 12
3) 2	7) zero	11) 11
4) 7	8) 1	12) 36

Q3: Answer the following:

1) Common factor: 1 , 2 , 3 GCF: 3

2) 18 , 24 , 30 , 36

3) 3 = 3 , 6 , 9 , 12 , 15 , 18 , 21 , 24 , 27 , 30 , 33 , 36 , 39

8 = 8 , 16 , 24 , 32 , 40 Common multiple : 24

4) 24: 1, 2, 3, 4, 6, 8, 12, 24 Draw T-chart

5) 18: 1, 2, 3, 6, 9, 18

6) 24: 1, 2, 3, 4, 6, 8, 12, 24

36: 1, 2, 3, 4, 6, 9, 12, 18, 36

Common factors: 1, 2, 3, 4, 6, 12 GCF: 12

7) 11, 13, 17, 19, 23, 29

8) 18, 27, 36, 45





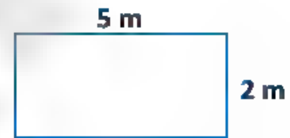
(1) Choose the correct answer:

1) A rectangle its length is L and its width is w what is its perimeter?
   a. L + w b. 2 × (L + w) c. L × w d. (2 × L) + w

2) The perimeter of the rectangle whose length is 8, width is 5 cm equals ...... cm
   a. 13 b. 26 c. 30 d. 40

3) A square whose side length is 5 cm , then its perimeter is .... cm
   a. 20 b. 25 c. 15 d. 35

4) The perimeter of the opposite rectangle equals ....
   a. 10 m b. 20 m
   c. 14 m d. 14 cm



5) The side length of a square whose perimeter 28 is .... cm
   a. 7 b. 14 c. 5 d. 4

6) The perimeter of a square is 40 cm, then its side length = ... cm
   a. 4 b. 1,600 c. 160 d. 10

7) Which of the following is a unit of measuring area?
   a. cm b. mm^2 c. mm d. dm

8) If the length of a rectangle is L and its width is w , then its area A = ...
   a. A = L – w b. A = L + w c. A = L × w d. A = L ÷ w

9) Area of square = side length × ....
   a. Itself b. Width c. 4 d. height

10) A rectangle its length is 8 cm and its width is 4 cm , then its area = …….. cm^2

a. 32 b. 12 c. 24 d. 64

11) A rectangle of length 20 cm and width 10 cm. then its area equals …….. cm^2

a. $2 \times 20 + 2 \times 10$ b. $20 + 10$ c. 60 d. 200

12) A square whose side length is 8 cm , then its area = ……..

a. 64 cm b. 32 cm c. 64 cm^2 d. 32 cm^2

13) If the area of a rectangle 35 cm^2 and its length 7 cm , then its width = ……..

a. 4 cm b. 5 cm c. 6 cm d. 7 cm

14) A square whose area 36 cm^2 , then its side length is …….. cm

a. 4 b. 5 c. 6 d. 9

15) $6 + 6 + 6 + 6 = 6 \times$ ……..

a. 24 b. 4 c. 5 d. 6

16) 10 times the number 430 is ……..

a. 430 b. 4,300 c. 43,000 d. 430,000

17) The number …….. equals 6 times 4

a. 10 b. 2 c. 24 d. 12

18) The number 15 equals 3 times the number ……..

a. 4 b. 5 c. 6 d. 7

19) 45 is …….. times the number 5

a. 9 b. 6 c. 5 d. 40

20) $600 \times 3 = 3 \times$ ....

a. 300 b. 400 c. 500 d. 600

21) If $a \times 4 = 4 \times 2$, then a = ...

a. 8 b. 4 c. 2 d. 6

22) $28 \times 15 = 15 \times 28$ represents .... property

a. Associative b. Commutative c. Identity multiplicative d. distributive

23) Which equation would be best to in an explanation of the commutative property of multiplication?

a. $3 \times 1 = 3$
b. $9 \times 6 = 6 \times 9$
c. $6 \times (2 \times 4) = (6 \times 2) \times 4$
d. $5 \times 16 = (5 \times 11) + (5 \times 5)$

24) $2 \times (5 \times 4) = (2 \times$ ..... $) \times 4$

a. 0 b. 1 c. 10 d. 5

25) Which equation would be best to in an explanation of the associative property of multiplication?

a. $(9 \times 12) \times 0 = 0$
b. $(3 \times 7) \times 2 = 3 \times (7 \times 2)$
c. $(4 \times 6) \times 1 = 4 \times 6$
d. $(11 \times 8) \times 9 = 9 \times (11 \times 8)$

26) $35 \times 0 =$ ....

a. 1 b. 34 c. 0 d. 43

27) The multiplicative identity element is ....

a. 1 b. 2 c. 3 d. 4

28) If $850 \times m = 850$, then m = ...

a. 1 b. 850 c. 2 d. 0

29) $34 \times$ .... $= 3,400$

a. 1 b. 10 c. 100 d. 1,000

30) 100,000 is .... Times the number 10,000

a. 10   b. 100   c. 1,000   d. 10,000

31) 8,000 = ... tens

a. 800   b. 80,000   c. 80   d. 8

32) 700 = ... Hundreds

a. 7   b. 700   c. 70   d. 7,000

33) The all factors of 16 are ....

a. 1, 16   b. 2, 4, 8
c. 1, 2, 4, 8, 16   d. 1, 2, 4, 6, 8, 16

34) 1, 2, 4, 8 are factors of the number ....

a. 15   b. 8   c. 17   d. 18

35) 3 and 7 are factors of ....

a. 36   b. 35   c. 18   d. 21

36) The number .... is a factor of 63

a. 2   b. 5   c. 7   d. 11

37) The number 15 has .... factors

a. 2   b. 3   c. 4   d. 5

38) The smallest odd prime number is ....

a. 0   b. 1   c. 2   d. 3

39) The prime number has .... factors only

a. 0   b. 2   c. 1   d. 4

40) Which of the following is a prime number?

a. 4   b. 7   c. 15   d. 18

41) The composite number has ...... factors

a. 1 b. More than 2 c. 2 d. 0

42) The common factor of all numbers is ....

a. 3 b. 2 c. 1 d. 0

43) Which number is the greatest common factor (G.C.F) of 12 and 6?

a. 2 b. 3 c. 6 d. 12

44) The common multiple of all numbers is ....

a. 0 b. 1 c. 2 d. 3

45) Which of the following is a multiple of 8?

a. 1 b. 2 c. 4 d. 16

46) The multiple of 4 is ....

a. 1 b. 2 c. 3 d. 4

47) 30 is a multiple of ....

a. 8 b. 7 c. 6 d. 4

48) Which of the following is NOT multiple of 7?

a. 42 b. 63 c. 707 d. 27

49) Which is NOT a common multiple of 9 and 6?

a. 18 b. 27 c. 36 d. 54

50) The correct relation between two numbers 6 and 18 is ....

a. 6 is a factor of 18
b. 6 is a multiple of 18
c. 18 is a factor of 6
d. 18 is the twice of 6

(2) Complete:

1) The perimeter of the rectangle = (length + width) × ....
2) A rectangle has length (L) and width (W), its perimeter = ...
3) If the side length of square (s) , then its perimeter = ... × ......
4) The perimeter of the rectangle its length is 7 cm and width is 5 cm equals .... cm
5) A square of side length 3 cm , then its perimeter = ... cm
6) A carpet in the shape of a square of side length 3 m , its perimeter = ... m
7) The perimeter of the square is 20 cm, then its side length is .... cm
8) The length of the side of a square whose perimeter is 28 cm is ...... cm
9) The perimeter of a rectangle is 18 cm and its length is 5 cm , then its width is .... cm
10) Area of rectangle = ... × ......
11) Area of square = ... × ......
12) A rectangle of length 7 cm and width 4 cm , then its area = ... cm^2
13) A garden in the shape of a square whose side length is 9 meters , then its area = ... square meters
14) The area of a rectangle its dimensions are 5 cm and 3 cm is ....
15) The length of a rectangle is 10 mm and the width is 8 mm, then the area of this rectangle equals ....
16) The area of the square is 25 cm^2, then its side length is .... cm
17) The area of a rectangle is 24 cm^2 and its width is 4 cm , then its length is ....
18) 7 + 7 + 7 + 7 = 7 × ....
19) The multiplicative equation of 8 + 8 + 8 + 8 + 8 = 40 is ....
20) 7 times as the number 5 = ...
21) 28 is .... times the number 7
22) 48 ×12 = 12 × ....

23) $4 \times 7 = 7 \times 4$ .... property

24) $3 \times (5 \times 4) = (3 \times$ .... $) \times 4$

25) $4 \times 3 \times 7 = 4 \times$ ....

26) $255 \times 0 =$ ....

27) $19 \times$ ...... $= 19$

28) $123 \times 100 =$ ....

29) $200 \times 3 =$ ....

30) .... $\times 245 = 24{,}500$

31) 90 = ... tens

32) 3,200 = ... hundreds

33) If $A \times 6 = 18$, then A = ...

34) If $1{,}000 \times z = 3{,}000$, then z = ...

35) The only even prime number ....

36) The smallest prime number is ....

37) The smallest odd prime number is ....

38) The prime number has .... factors

39) the number that has only two factors and their sum equals 8 is ....

40) The common factor for all numbers is ....

41) The common multiple for all numbers is ....

42) The G.C.F of 8 and 16 is ....

43) The numbers 1, 3, 9, 27 are factors of ....

44) The number of factors of number 9 is ....

45) The missing factor in the opposite rainbow is ......



(3) *Answer the following:*

1) A rectangular gymnasium is 7 meters long and 4 meters wide. Find its perimeter

....

2) Amgad has a garden in squared shape with side length 6 m. what is the area of this garden?

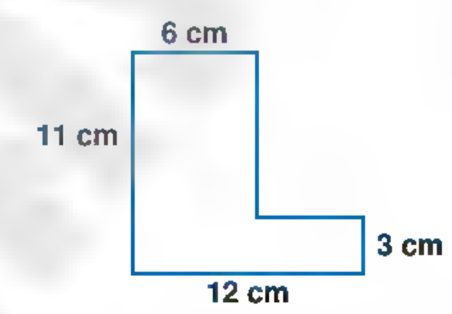
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3) Which is greater, the area of a rectangle with dimensions 7 cm and 5 cm or the area of a square with side length 6 cm?

....

4) Find the area and perimeter.

A = ...
P = ...



5) Ayman ate 4 figs in the morning. His older brother ate 3 times as many. How many figs did his brother eat?

....

6) A piece of land is in the shape of a rectangle with a width of 9 meters and a length three times its width. Find its length

....

7) Write all factors of the number 24, then decide if the number is a prime or composite.

....

8) Write the common factors of 12 and 18 , then find the greatest common factor (G.C.F)

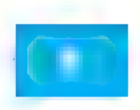
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9) Find the G.C.F of 25 and 35

....

10) Find 4 multiples of the number 9

....



Q1) Choose the correct answer:

1-A Square with side length 9 cm, then its area = …… cm^2

a)64 b)32 c)81 d)25

2- A Square with side length 9 cm, then its perimeter = …… cm

a)64 b)32 c)81 d)25

3- The first two multiples of number 7 are …..

a)0 & 7 b)1& 7 c)14& 28 d) 1&21

4- The number…… is a prime number.

a)4 or b)8 c)5 d)6

5- 4 x (2x5) = ……..

a)4x7 b)5x2 c)4x10 d)4x4

6- The only even prime number is…….

a)1 b)2 c)3 d)4

7- ……. is Neither a prime, NOR composite

a)2 b)0 c)1 d)otherwise

8- …….. and …….. are the factors of 12

a)20& 3 b)16& 4 c)3& 4 d)5& 7

9- The common multiples of 5 and 7 are ………

a)0& 1 b)0& 35 c)25 &35 d)1& 42

10- 30 is ……. Times as many as 5.

a)4 b)5 c)6 d)7

11- 140 = …………… tens

a)1400 b)14 c)14,000 d)104

12- A rectangle its length = 8 cm, its width = 4 cm, then its area = …… cm^2

a) 32 b) 12 c) 24 d) 64

13- 18 x ……….. = 18000

a) 0 b) 10 c) 100 d) 1000

14- 45 is ………… times the number 5

a) 9 b) 6 c) 5 d) 40

15- The list of all factors of 6 is ……………………..

a) 1, 6 b) 2, 3 c) 1, 2, 3, 6 d) 2, 3, 6

16- The smallest prime number is …………

a) 0 b) 1 c) 2 d) 3

17- ………… is a multiple of 6.

a) 4 b) 5 c) 6 d) 7

18- ………….. Is not a composite number.

a) 4 b) 1 c) 25 d) 49

19- 200 x 5hundreds = ……………

a) 100 b) 1,000 c) 10,000 d)100,000

Q2)Complete each of the following:

1- 5 x 9 = …… x 5

2- The multiples of 8 are …….. , ……… , ……… and ………

3- The perimeter for a room with length 7 m and width 5 m is ………

4- ……… = 16 Tens

5- 8 x ……… = 8,000

6- The factors of number 72 are :

…………………………………………………………..

7- The common factor for all numbers is :

…………………………………………………………..

8- …….. is 6 times the number 3



9- The formula of the area of the rectangle is

Area = ……………

10- The formula of the area of the square is Area = ……………

11- The formula of the perimeter of the rectangle is = ……………

12- The formula of the perimeter of the square is = ……………

13- A square of side length 3 cm, then its perimeter = ………… cm

14- The common factor of all numbers is …………

15- 4 times the number 6 = …………

16- (42 x 15) x ………. = 42 x (15 x 25)



17- The common multiples of 4 and 5 are

………… , ………….

18- 12 has ………… factors

19- (152 x 76) x 0 = …………….

20- 63 is 9 times the number ……………..

Q3: Answer the following questions

a- Find the Greatest common factor of the following numbers

✓ 32 and 16

32: …………………………

16: …………………………

GCF = …………….



- ✓ 35 and 42

35: ………………………….

42: ………………………….

GCF = …………….

Q4 : Put (√) or (x) and why ?

a) 3 is a prime number ( )

b) The area of the rectangle with length 8 m and width 2 m is 10 m2 ( )

c) 3 x 4,000 = 3 x 4 x 100 ( )

d) The formula of the perimeter of the square is 2 X (L + W) ( )

e) The first five multiplies of number 2 are 0 , 2 , 4 , 6 , 10 ( )

Q4) Story problems:

1- Omar has 10 balls , Hatem has 6 times what Omar have. Write the number of balls with Hatem.

……………………………………………………………

……………………………………………………………

2- Ahmed bought 10 pens, if the price of a pen is 200 piasters, what is the price of all pens?

……………………………………………………………

……………………………………………………………

Q1) Choose the correct answer:

1-A Square with side length 9 cm, then its area = …… cm^2

a)64 b)32 c)81 d)25

2- A Square with side length 9 cm, then its perimeter = …… cm

a)64 b)36 c)81 d)25

3- The first two multiples of number 7 are …..

a)0 & 7 b)1& 7 c)14& 28 d) 1&21

4- The number…… is a prime number.

a)4 or b)8 c)5 d)6

5- 4 x (2x5) = ……..

a)4x7 b)5x2 c)4x10 d)4x4

6- The only even prime number is…….

a)1 b)2 c)3 d)4

7- ……. is Neither a prime, NOR composite

a)2 b)0 c)1 d)otherwise

8- …….. and …….. are the factors of 12

a)20& 3 b)16& 4 c)3& 4 d)5& 7

9- The common multiples of 5 and 7 are ………

a)0& 1 b)0& 35 c)25 &35 d)1& 42

10- 30 is ……. Times as many as 5.

a)4 b)5 c)6 d)7

11- 140 = …………… tens

a)1400 b)14 c)14,000 d)104

12- A rectangle its length = 8 cm, its width = 4 cm,

then its area = …… cm^2

a) 32 b) 12 c) 24 d) 64

13- 18 x ……….. = 18000

a) 0 b) 10 c) 100 d) 1000

14- 45 is ………… times the number 5

a) 9 b) 6 c) 5 d) 40

15- The list of all factors of 6 is ……………………..

a) 1, 6 b) 2, 3 c) 1, 2, 3, 6 d) 2, 3, 6

16- The smallest prime number is …………

a) 0 b) 1 c) 2 d) 3

17- ………… is a multiple of 6.

a) 4 b) 5 c) 6 d) 7

18- …………. Is not a composite number.

a) 4 b) 1 c) 25 d) 49

19- 200 x 5hundreds = ……………

a) 100 b) 1,000 c) 10,000 d)100,000

Q2)Complete each of the following:

1- 5 x 9 = 9 x 5

2- The multiples of 8 are 0 , 8 , 16 and 24

(answers may vary)

3- The perimeter for a room with length 7 m and width 5 m is (l+w)x2 = (7+5)x2 = 24 m

4- 160 = 16 Tens

5- 8 x 1000 = 8,000

6- The factors of number 72 are :

1,2,3,6,8,9,12,24,36 and 72

7- The common factor for all numbers is : 1

8- 18 is 6 times the number 3

9- The formula of the area of the rectangle is

Area = length x width = l xw

10- The formula of the area of the square is Area = side length x side length = s x s

11- The formula of the perimeter of the rectangle is = (length + width) x 2 =(l+w)x2

12- The formula of the perimeter of the square is = side length x 4 = s x 4

13- A square of side length 3 cm, then its perimeter = 3 x 4 = 12 cm

14- The common factor of all numbers is 1

15- 4 times the number 6 = 24

16- (42 x 15) x 25 = 42 x (15 x 25)

17- The common multiples of 4 and 5 are 20 , 40 (answers may vary)

18- 12 has 6 factors

19- (152 x 76) x 0 = 0

20- 63 is 9 times the number 7

Q3: Answer the following questions

a- Find the Greatest common factor of the following numbers

- ✓ 32 and 16

32: 1,2,4,8,16,32

16: 1,2,4,8,16

GCF = 8

- ✓ 35 and 42

35: 1,5,7,35

42: 1,2,3,6,7,14,21,42





GCF = 7

Q4 : Put (√) or (x) and why ?

a) 3 is a prime number (√)

b) The area of the rectangle with length 8 m and width 2 m is 10 m2 (x)

c) 3 x 4,000 = 3 x 4 x 100 (x)

d) The formula of the perimeter of the square is 2 X (L + W) (x)

e) The first five multiplies of number 2 are 0 , 2 , 4 , 6 , 10 (x)

Q4) Story problems:

1- Omar has 10 balls , Hatem has 6 times what Omar have. Write the number of balls with Hatem.

No. of balls with hazem b = 6 x10 = 60 balls

2- Ahmed bought 10 pens, if the price of a pen is 200 piasters, what is the price of all pens?

Total price = 10 x 200 = 2000 piasters